

OPTISHADE *STYLEITALIANO* FAQ

1- Is OPTISHADE *STYLEITALIANO* compatible with Android?

No. Unfortunately, Android lacks a functionality essential to the **OPTISHADE *STYLEITALIANO*** (OS) system, and it cannot work safely in that environment. At the moment, there are no future plans to bring **OPTISHADE *STYLEITALIANO*** (OS) to Android. It is suggested to have a dedicated iOS device for measuring.

2- Can OPTISHADE *STYLEITALIANO* (OS) be used with iPad PRO?

Yes. The USB-C cable must be purchased separately for iPad Pro (3rd generation and later) and iPad Air (4th generation). Other iPads - including the iPad Pro (1st Generation) - use the Lightning cable you will find included in the **OPTISHADE *STYLEITALIANO*** (OS) intro kit. Although the **OPTISHADE** App is not graphically optimized for iPad, the functionalities are exactly the same.

3- Do I need a subscription?

No subscription is needed. You can download the **OPTISHADE** App from the App Store for free. The number of measurements and image shares is unlimited.

4- Does OPTISHADE *STYLEITALIANO* (OS) run on computers?

The **OPTISHADE** App can run on any Apple computer with Apple M1 chip and above (read and share function). Due to hardware restrictions, the device cannot be connected to laptops or desktop computers, directly, while files can be analyzed and shared on any device. New measurements can only be obtained with **OPTISHADE *STYLEITALIANO*** (OS) connected to an iOS or iPADOS device, and these measurements can be analyzed on any of these devices and on M1 computers also.

5- Can I compare data to commercial Shade Guides and Vita or Vita 3D?

Yes. Besides getting the precise and accurate L*a*b* coordinates, the main function of **OPTISHADE *STYLEITALIANO*** (OS) is it allows comparison with ready made shade guides through a constantly updated database to compare the best match to commercial Shade Guide libraries. You can download and update colors for your library from www.styleitaliano.org/OPTISHADE/app

Note: Matching a Vita Classic or Vita 3D color can be extremely difficult with ceramics, as recreating the exact color of a shade guide requires much more information than the nomenclature of the ceramic powder. The Matisse software (www.matisse.ai) provides also recipes to match Vita Shade guides.



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6- Can I measure the color of two teeth from one single picture?

No. As the most precise measure is taken at the center of the image frame, it is indicated to capture one tooth at a time.

7- Which devices are compatible with OPTISHADE *STYLEITALIANO*?

Any device running iOS 14 or iPadOS 14 or later. Find the full list of compatible devices below.

iPhone 6S, iPhone 6S Plus, iPhone SE (1st generation), iPhone 7, iPhone 7 Plus, iPhone 8, iPhone 8 Plus, iPhone X, iPhone XS, iPhone XS Max, iPhone XR, iPhone 11, iPhone 11 Pro, iPhone 11 Pro Max, iPhone SE (2nd generation), iPhone 12 Mini, iPhone 12, iPhone 12 Pro, iPhone 12 Pro Max, iPad Air 2, iPad Air (3rd generation), iPad Air (4th generation) Requires **OPTISHADE *STYLEITALIANO*** USB-C cable, iPad (5th generation), iPad (6th generation), iPad (7th generation), iPad (8th generation), iPad Mini 4, iPad Mini (5th generation), iPad Pro (1st generation), iPad Pro (3rd generation and later) requires **OPTISHADE** USB cable

8- Is my data safe?

You are the owner of your measurements and no one besides you (or whoever you choose) can read them. **OPTISHADE *STYLEITALIANO*** does not collect data from your device, or your patients. Everything is safely kept inside the Apple's ecosystem, and only you choose how and where to share. Files are end-to-end encrypted.

9- Do I need a camera, a grey card and a polarizer?

No. With **OPTISHADE *STYLEITALIANO*** you do not need shade guides, DSRL cameras, grey cards, cross polarization filters or brackets. **OPTISHADE *STYLEITALIANO*** already has all the functions needed for color matching. Double shade matching, and any additional data, is always appreciated, as it provides extra info about tooth appearance and can sometimes make us aware about possible errors. Classical shade matching becomes less of a necessity with this kind of technology.

10- Does OPTISHADE require an internet connection?

No, you can take measurements and use the OS app off-line. Just make sure your device is connected when sending or receiving files, or when using the Matisse software.



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11- How much does it cost?

Price varies depending on your country (distance may be a reason of high shipping charges) and import taxes in your country. The price of **OPTISHADE *STYLEITALIANO*** is lower than any existing dental color device offering the same level of repeatability and accuracy. Also, it is the only device compatible with Matisse.

12- It happened to me to get a Database matching showing red color, did I do something wrong ?

No absolutely not. When measuring a natural tooth, the aim is not to have a result showing green. The measure is the measure and it will simply show you how «far» you are from the closest color in the database. Natural teeth exist in hundreds of colors different from the shade guides.

If your result shows green, then you are close from an existing color in the shade guide. If your result shows you L*a*b* coordinates in an orange or red tag, then it means that the color you have just measured is less close.

Thanks to the two L*a*b* coordinates given (the ones of the Database and the ones of the tooth measured), an experimented technician will be able to interpret that he needs for example more L* (light), more a* (red) and maybe less b* (yellow).

13- How long does my calibration cap last?

When used in optimal conditions, the calibration cap should be changed every month. When the white reference is touched, scratched, has visible contamination and if there is any chance of cross contamination, it has to be immediately replaced. Calibration caps are disposable, and they can be bought separately in packs of 5.

A sub-optimal state of the Calibration Cap may compromise the accuracy of the full system.

14- Do I need the hard case? Is it included in the kit?

The hard case is an optional accessory designed for traveling with **OPTISHADE** with a very compact solution. It is sold separately, as if your intention is to use **OPTISHADE *STYLEITALIANO*** in the office, you don't need it.

15- Why is **OPTISHADE** innovative and different from all the dental color matching devices?

OS fits in the palm of your hand, it has a convenient price, it has a repeatability of 0,4 DE or better, it needs no subscription for using the device, it doesn't collect your data, it has color readings aligned with spectrophotometer, it compares the readings with common ready-made shade guides, it enables to send data via WhatsApp (and all other iOS communication channels) and receives App updates constantly. It is compatible with the Matisse software, which allows you to predict the mixing and layering of seamless ceramic crowns and veneers.



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16- What are the limits with OPTISHADE *STYLEITALIANO*?

There are 4 main limits that can be easily controlled.

- a) Positioning: **OPTISHADE** needs a perfect positioning in the mouth and on the model. If you are a first-time user, it requires less than 30 minutes training to learn how to do a perfect measure. Find a thorough description in the user's guide booklet and in the videos.
- b) Fog susceptibility: patient needs to hold their breath while taking a measurement, if **OPTISHADE *STYLEITALIANO*** captures fog, the measure will be ruined.
- c) External light contamination: External light is a common enemy to almost any color matching system. Choose a position away from sunlight and windows. Close curtains, drapes and turn off intense light sources and the light from the dental chair unit, even if it is not pointing directly onto the working field. A light contaminated image is inaccurate.
- d) Contextual Color: The tooth is measured in the mouth context, which means that includes the light reflections from the gums and neighbour teeth.

17- How can I order OPTISHADE?

Smile Line in Switzerland is taking care of the manufacturing and marketing of **OPTISHADE *STYLEITALIANO***. Please contact a Smile Line dealer in your country <https://www.smileline.ch/en/dealers> or contact Smile Line directly mail@smileline.ch

18- Which teeth can I measure?

OPTISHADE *Styleitaliano* is specifically designed for anterior teeth, where precise color matching is desired the most. Also, it is extremely easy to get perfect measurements of premolars (respecting the positioning and measurement principles described in the user manual), and depending on the patient and clinician skills, it is possible to get good measurement of molars.

19- Does it work for composite recipes?

This feature will come later in 2022. Stay tuned!



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20- Which are the applications of OPTISHADE?

OPTISHADE *STYLEITALIANO* gets precise and accurate L*a*b* coordinates for each color and its appearance in the mouth. With this precise data, there are endless applications.

The most important is the compatibility with the Matisse software for perfect ceramic restorations. With this software, you can calculate the substructure, ceramic mixing, framework staining and many other color features for ceramic restorations in challenging color matching cases, taking into account the substrate and available space among other things.

OPTISHADE is useful for color research, shade estimation, treatment quality check, bleaching tracking, side-to-side comparison, aging of dental materials, denture teeth selection and to track any color change that might occur in natural teeth or dental materials. Future applications are already being developed.

21- Why is OPTISHADE considered reliable?

Regarding accuracy, **OPTISHADE *STYLEITALIANO*** (OS) readings are aligned with spectrophotometer data, meaning that when reading shiny surfaces within the dental color space the measurements have an average error under 0,5 DE. Those numbers, obtained with the highest standards allow OS numbers to be extrapolated to applications in colorimetry for research and material development.

Repeatability tests were done with more than 10,000 measurements that fell into the declared precision values (0,2 to 0,4 DE94 in the same device and 0,3 to 0,5 DE94 with different devices).

If you need to perform an accuracy or repeatability test for research purposes, contact jordi@styleitaliano.org

22- Is OS compatible with Grey Cards, White Balance cards or other Color checkers?

For measuring, **OPTISHADE *STYLEITALIANO*** has its own calibration method. Images obtained with **OPTISHADE *STYLEITALIANO*** are already normalized and provide all the needed color information. No post-production, software analysis or further treatment is needed. Grey cards or color checkers are not useful for this system.

For layering and mixing predictions, Matisse Software, is compatible with several Grey Cards which allow to create ceramic restorations with a DSLR camera. Nevertheless, **OPTISHADE *STYLEITALIANO*** is the suggested Matisse image acquisition method, as grey cards and color checkers were found to be less precise.

If you need to measure color checkers for research purposes, please contact jordi@styleitaliano.org

St-Imier, June 2021

