

Converting Colors

XYZ(12.0498, 15.5259, 19.7917)

Have a look what the booklet for
XYZ(12.0498, 15.5259, 19.7917)
contains.

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Color

**XYZ(11.9882, 15.4126,
19.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	417677
RGB	65, 118, 119
RGB Percent	25%, 46%, 47%
CMY	0.7451, 0.5372, 0.5333
CMYK	0.45, 0.01, 0.00, 0.53
HSL	181°, 29%, 36%
HSV	181°, 45%, 47%
XYZ	11.9882, 15.4126, 19.7958
YIQ	102.2670, -31.9090, -10.9250

Conversions

Conversions Part 2

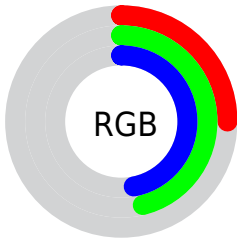
Format	Color
RYB	65, 92, 119
Decimal	4290167
CIELab	46.19, -17.33, -6.07
CIElCh	46, 18.360, 199.305
Yxy	15.4126, 0.2540, 0.3266
Android (android.graphics.Color)	4282480247 (0xFF417677)
YUV	102.2670, 8.2494, -32.6832
Hunter-Lab	39.2589, -14.1958, -2.4150




Details

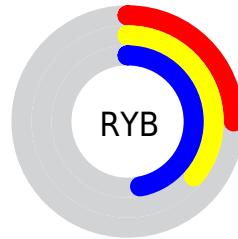
The XYZ color **11.9882, 15.4126, 19.7958** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5104, 8.2003, 6.0303**, and the grayscale version is **12.6846, 13.3452, 14.5329**.




A 20% lighter version of the original color is **29.0615, 35.4716, 43.8431**, and **3.3656, 4.7628, 6.7032** is the 20% darker color. If you saturate the color by 10%, you get **11.2562, 14.9972, 19.7545**, and if you desaturate by 10%, it is **12.8872, 15.9149, 19.8456**.

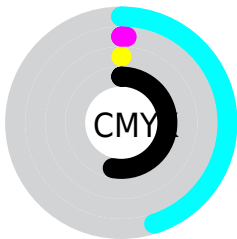
Distribution







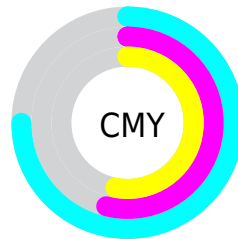
-  Red (25%)
-  Green (46%)
-  Blue (47%)






-  Red (25%)
-  Yellow (36%)
-  Blue (47%)



-  Cyan (45%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (75%)
-  Magenta (54%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9882, 15.4126, 19.7958 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 11.9882, 15.4126, 19.7958 by changing the saturation by 10% instead.

■ 11.9882, 15.4126,
19.7958

■ 11.9882, 15.4126,
19.7958

198.0987,
225.8502, 263.3751

■ 6.8078, 9.1095,
12.0641

■ 29.0907, 35.5754,
43.9290

■ 3.3874, 4.8127,
6.6643

■ 41.7434, 50.2038,
61.1676

■ 1.3618, 2.1378,
3.1778

■ 57.6176, 68.3762,
82.4123

■ 0.2288, 0.6857,
1.1861

■ 77.0787, 90.4768,
108.0815

■ 0.0000, 0.0000,
0.0000

■ 100.4920,
116.8902, 138.5939

128.2229,

148.0006, 174.3679

160.6366,
184.1924, 215.8221

■ 11.9882, 15.4126,
19.7958

■ 11.9882, 15.4126,
19.7958

■ 11.2562, 14.9972,
19.7545

■ 12.8872, 15.9149,
19.8456

■ 10.6793, 14.6615,
19.7201

■ 13.9614, 16.5073,
19.9034

■ 10.2463, 14.4000,
19.6924

■ 15.2202, 17.1949,
19.9697

■ 9.9437, 14.2058,
19.6709

■ 16.6718, 17.9820,
20.0452

■ 9.7485, 14.0671,
19.6544

■ 18.3239, 18.8727,
20.1300

■ 9.6678, 14.0079,
19.6472

■ 20.1841, 19.8706,
20.2246

■ 22.2591, 20.9793,
20.3292

■ 24.5557, 22.2024,
20.4443

■ 27.0802, 23.5431,
20.5700

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.8862, 15.4126, 15.2322



11.9882, 15.4126, 19.7958



12.7730, 15.4126, 24.2026

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



11.9882, 15.4126, 19.7958



17.0518, 15.4126, 23.0532



15.2149, 15.4126, 9.6565

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



11.9882, 15.4126, 19.7958



10.5104, 8.2003, 6.0303

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.7007, 15.4126, 11.0577



11.9882, 15.4126, 19.7958



17.8103, 15.4126, 18.4329

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



11.9882, 15.4126, 19.7958



15.6670, 15.4126, 26.3026



17.6775, 15.4126, 14.0902



13.6765, 15.4126, 9.8901

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



11.9882, 15.4126, 19.7958



13.6111, 15.4126, 26.2062



17.6775, 15.4126, 14.0902



15.7389, 15.4126, 9.9404

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



11.9887, 15.4132, 19.7962



27.5039, 30.9265, 35.7729



9.7576, 14.7099, 7.4643



6.4155, 7.2734, 8.4725



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.9887, 15.4132, 19.7962



20.1570, 26.8558, 35.3744



9.2598, 9.9554, 18.8865



3.7778, 4.1442, 4.6910



10.2706, 14.8809, 20.8735



49.9764, 72.3693, 101.6949

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.7684, 9.0110, 18.2065



21.7444, 13.9332, 32.1137



12.4678, 12.1151, 6.6828



3.8239, 3.7568, 4.5992



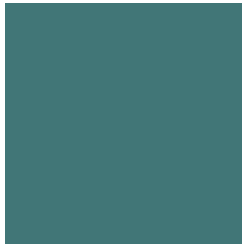
11.4813, 5.5262, 18.2743



55.9125, 26.9151, 88.8575

Previews

White Background



This preview shows how the XYZ color 11.9882, 15.4126, 19.7958 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 11.9882, 15.4126, 19.7958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

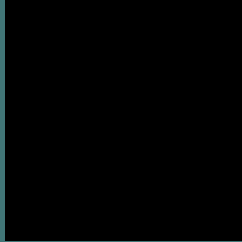
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9882, 15.4126, 19.7958

Background



This preview shows how black text looks on a background with the XYZ color 11.9882, 15.4126, 19.7958.



This preview shows how white text looks on a background with the XYZ color 11.9882, 15.4126,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

11.9882, 15.4126, 19.7958

Protanopia

14.7736, 15.2324, 17.7843

Deuteranopia

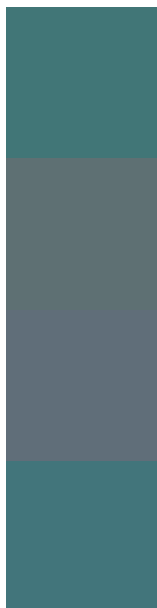
15.6063, 15.2906, 20.5412



Tritanopia

12.4419, 15.4222, 22.0597

Trichromacy



Original Color

11.9882, 15.4126, 19.7958

Protanomaly

13.5048, 15.2058, 18.4429

Deuteranomaly

13.8510, 15.0191, 20.2581

Tritanomaly

12.1832, 15.3109, 21.0521

Monochromacy



Original Color

11.9882, 15.4126, 19.7958

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1892, 13.9317, 16.2340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9882, 15.4126, 19.7958 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(65, 118, 119)` looks like.

```
.text, #text, p{  
    color:rgb(65, 118, 119)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(65, 118, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 118, 119) }
```

Border

The CSS property to change the border of an element to XYZ 11.9882, 15.4126, 19.7958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 118, 119) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(65, 118, 119) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(65, 118, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 118, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 118, 119);  
box-shadow:4px 4px 4px 4px rgb(65, 118,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9882, 15.4126, 19.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 118, 119) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(65, 118,  
119) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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