

Converting Colors

XYZ(12.0165, 19.1274, 18.4892)

Have a look what the booklet for
XYZ(12.0165, 19.1274, 18.4892)
contains.

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Color

**XYZ(12.0083, 19.1323,
18.3892)**

Conversions

Conversions Part 1

Format	Color
Hex	0B8970
RGB	11, 137, 112
RGB Percent	4%, 54%, 44%
CMY	0.9568, 0.4627, 0.5608
CMYK	0.92, 0.00, 0.18, 0.46
HSL	168°, 85%, 29%
HSV	168°, 92%, 54%
XYZ	12.0083, 19.1323, 18.3892
YIQ	96.4760, -67.0710, -34.4870

Conversions

Conversions Part 2

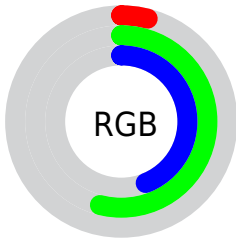
Format	Color
RYB	11, 81, 137
Decimal	756080
CIELab	50.84, -37.22, 4.69
CIElCh	51, 37.515, 172.814
Yxy	19.1323, 0.2424, 0.3863
Android (android.graphics.Color)	4278946160 (0xFF0B8970)
YUV	96.4760, 7.6533, -74.9625
Hunter-Lab	43.7405, -27.5413, 5.6919

Details

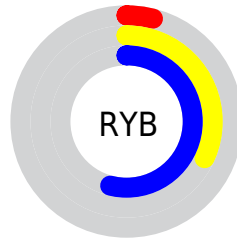
The XYZ color **12.0083, 19.1323, 18.3892** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.7554, 5.6856, 2.2008**, and the grayscale version is **11.2288, 11.8136, 12.8650**.

A 20% lighter version of the original color is **29.0780, 41.8732, 41.6717**, and **4.2532, 7.0257, 5.9824** is the 20% darker color. If you saturate the color by 10%, you get **11.7504, 19.0137, 17.7500**, and if you desaturate by 10%, it is **12.4182, 19.3263, 19.2111**.

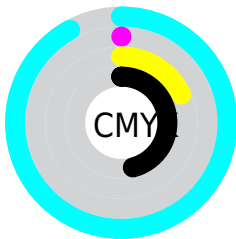
Distribution



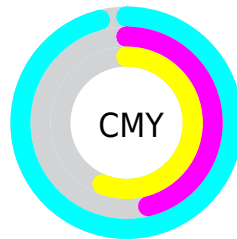
- Red (4%)
- Green (54%)
- Blue (44%)



- Red (4%)
- Yellow (32%)
- Blue (54%)



- Cyan (92%)
- Magenta (0%)
- Yellow (18%)
- Black (46%)



- Cyan (96%)
- Magenta (46%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0083, 19.1323, 18.3892 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 12.0083, 19.1323, 18.3892 by changing the saturation by 10% instead.

■ 12.0083, 19.1323,
18.3892

■ 12.0083, 19.1323,
18.3892

198.2290,
247.1782, 255.3651

■ 6.8216, 11.7659,
11.0574

■ 29.1269, 41.9575,
41.5223

■ 3.3961, 6.5845,
5.9908

■ 41.7896, 58.1852,
58.1607

■ 1.3665, 3.2036,
2.7708

■ 57.6749, 78.1354,
78.7383

■ 0.2322, 1.2389,
0.9788

■ 77.1482, 102.1925,
103.6739

■ 0.0000, 0.0932,
0.0000

■ 100.5749,
130.7409, 133.3858

■ 0.0000, 0.0000,
0.0000

■ 128.3204,

164.1651, 168.2926

160.7500,
202.8494, 208.8128

■ 12.0083, 19.1323,
18.3892

■ 12.0083, 19.1323,
18.3892

■ 11.7504, 19.0137,
17.7500

■ 12.4182, 19.3263,
19.2111

■ 12.9973, 19.6066,
20.0645

■ 13.7677, 19.9849,
20.9511

■ 14.7476, 20.4707,
21.8721

■ 15.9531, 21.0722,
22.8282

■ 17.3988, 21.7970,
23.8205

■ 19.0980, 22.6520,
24.8497

■ 21.0629, 23.6434,
25.9165

■ 23.3051, 24.7771,
27.0218

Harmonies

Analogous

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



13.0923, 19.1323, 10.7965



12.0083, 19.1323, 18.3892



12.3914, 19.1323, 29.7574

Triad

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



12.0083, 19.1323, 18.3892



21.0803, 19.1323, 45.7735



22.8248, 19.1323, 8.4643

Complementary

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



12.0083, 19.1323, 18.3892



10.7554, 5.6856, 2.2008

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.



25.5497, 19.1323, 13.8975



12.0083, 19.1323, 18.3892



24.4512, 19.1323, 35.7055

Square

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



12.0083, 19.1323, 18.3892



17.3105, 19.1323, 48.2362



26.1820, 19.1323, 23.4817



19.0878, 19.1323, 6.4649

Rectangle

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



12.0083, 19.1323, 18.3892



13.4557, 19.1323, 37.9421



26.1820, 19.1323, 23.4817



23.9091, 19.1323, 9.8390

Sweetspot

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



12.0088, 19.1330, 18.3897



32.1228, 39.5187, 43.2655



9.7414, 18.2950, 3.3349



6.9614, 8.7414, 9.5503



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.0088, 19.1330, 18.3897



20.9840, 34.0257, 31.4795



9.1350, 10.8401, 25.2786



5.1310, 5.6719, 6.2109



10.9493, 17.7123, 16.5558



0.0778, 0.1197, 0.1364

Inverse Universe

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



10.7554, 5.6856, 2.2008



18.7847, 9.6481, 2.4953



11.4677, 7.5235, 1.1648



5.0708, 5.0638, 5.4615



9.7998, 5.0300, 1.4501



0.0694, 0.0351, 0.0322

Previews

White Background



This preview shows how the XYZ color 12.0083, 19.1323, 18.3892 looks on a white 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

Black Background



This preview shows how the XYZ color 12.0083, 19.1323, 18.3892 looks on a black 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

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

XYZ 12.0083, 19.1323, 18.3892

Background



This preview shows how black text looks on a background with the XYZ color 12.0083, 19.1323, 18.3892.



This preview shows how white text looks on a background with the XYZ color 12.0083, 19.1323,

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

12.0083, 19.1323, 18.3892

Protanopia

17.7688, 18.8478, 15.5334

Deuteranopia

19.1291, 18.7617, 19.4428



Tritanopia

14.2599, 19.2296, 28.9467

Trichromacy



Original Color

12.0083, 19.1323, 18.3892

Protanomaly

13.7185, 17.8471, 16.3575

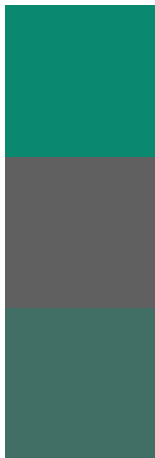
Deuteranomaly

14.4220, 17.7770, 18.8908

Tritanomaly

13.2254, 18.9922, 24.7986

Monochromacy



Original Color

12.0083, 19.1323, 18.3892

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.2627, 13.4520, 14.6260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0083, 19.1323, 18.3892 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(11, 137, 112)` looks like.

```
.text, #text, p{  
    color:rgb(11, 137, 112)  
}
```

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(11, 137, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 137, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.0083, 19.1323, 18.3892 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(11, 137, 112) }
```


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

```
.border{ border-color:rgb(11, 137, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 137, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 137, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 137, 112);  
box-shadow:4px 4px 4px 4px rgb(11, 137,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0083, 19.1323, 18.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 137, 112) }
```

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

```
.background{ background-color: rgb(11, 137,  
112) }
```

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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