

Converting Colors

XYZ(8.1834, 17.6785, 17.8229)

Have a look what the booklet for
XYZ(8.1834, 17.6785, 17.8229)
contains.

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Color

**XYZ(12.0471, 19.5910,
17.8983)**

Conversions

Conversions Part 1

Format	Color
Hex	008B6E
RGB	0, 139, 110
RGB Percent	0%, 55%, 43%
CMY	0.9999, 0.4549, 0.5686
CMYK	1.00, 0.00, 0.21, 0.45
HSL	167°, 100%, 27%
HSV	167°, 100%, 55%
XYZ	12.0471, 19.5910, 17.8983
YIQ	94.1330, -73.5350, -38.4870

Conversions

Conversions Part 2

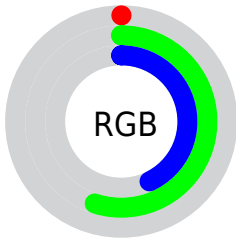
Format	Color
RYB	0, 78, 139
Decimal	35694
CIELab	51.37, -39.23, 6.60
CIELCh	51, 39.785, 170.452
Yxy	19.5910, 0.2432, 0.3955
Android (android.graphics.Color)	4278225774 (0xFF008B6E)
YUV	94.1330, 7.8224, -82.5546
Hunter-Lab	44.2617, -28.8741, 7.0079

Details

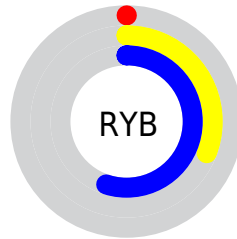
The XYZ color **12.0471, 19.5910, 17.8983** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8699, 5.5783, 1.6672**, and the grayscale version is **10.6666, 11.2221, 12.2208**.

A 20% lighter version of the original color is **29.1588, 42.5876, 40.8658**, and **4.3592, 7.3272, 5.7420** is the 20% darker color. If you saturate the color by 10%, you get **12.0473, 19.5916, 17.8979**, and if you desaturate by 10%, it is **12.3878, 19.7486, 18.7527**.

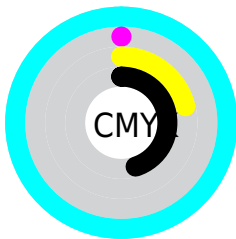
Distribution



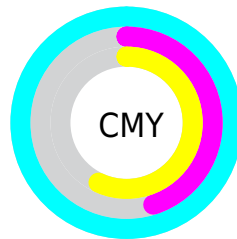
- Red (0%)
- Green (55%)
- Blue (43%)



- Red (0%)
- Yellow (31%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (45%)



- Cyan (100%)
- Magenta (45%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0471, 19.5910, 17.8983 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 12.0471, 19.5910, 17.8983 by changing the saturation by 10% instead.

■ 12.0471, 19.5910,
17.8983

■ 12.0471, 19.5910,
17.8983

198.4804,
249.6923, 252.5140

■ 6.8482, 12.0981,
10.7083

■ 29.1970, 42.7304,
40.6756

■ 3.4128, 6.8105,
5.7594

■ 41.8786, 59.1457,
57.0999

■ 1.3756, 3.3439,
2.6329

■ 57.7853, 79.3039,
77.4394

■ 0.2388, 1.3138,
0.9094

■ 77.2822, 103.5893,
102.1127

■ 0.0000, 0.1518,
0.0000

■ 100.7349,
132.3865, 131.5383

■ 0.0000, 0.0000,
0.0000

■ 128.5085,

166.0798, 166.1346

160.9686,
205.0536, 206.3204

■ 12.0471, 19.5910,
17.8983

■ 12.0471, 19.5910,
17.8983

■ 12.0473, 19.5916,
17.8979

■ 12.3878, 19.7486,
18.7527

■ 12.8477, 19.9665,
19.6394

■ 13.4881, 20.2769,
20.5621

■ 14.3307, 20.6909,
21.5220

■ 15.3939, 21.2180,
22.5202

■ 16.6942, 21.8667,
23.5577

■ 18.2462, 22.6445,
24.6354

■ 20.0635, 23.5585,
25.7542

■ 22.1588, 24.6152,
26.9149

Harmonies

Analogous

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



13.3207, 19.5910, 10.1976



12.0471, 19.5910, 17.8983



12.3309, 19.5910, 29.9435

Triad

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



12.0471, 19.5910, 17.8983



21.4250, 19.5910, 49.1640



23.9312, 19.5910, 8.5008

Complementary

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



12.0471, 19.5910, 17.8983



10.8699, 5.5783, 1.6672

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.



26.7515, 19.5910, 14.5524



12.0471, 19.5910, 17.8983



25.1675, 19.5910, 38.5521

Square

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



12.0471, 19.5910, 17.8983



17.3798, 19.5910, 51.0691



27.2336, 19.5910, 25.1773



19.9192, 19.5910, 6.1951

Rectangle

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



12.0471, 19.5910, 17.8983



13.3829, 19.5910, 38.9468



27.2336, 19.5910, 25.1773



25.0727, 19.5910, 10.0364

Sweetspot

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



12.0476, 19.5918, 17.8988



32.4759, 40.4514, 43.9860



9.7722, 18.7438, 3.1033



7.2347, 9.1963, 9.9681



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.0476, 19.5918, 17.8988



21.5126, 35.0595, 31.7281



9.1816, 10.9063, 26.0481



5.1289, 5.6710, 6.1997



10.8792, 17.6842, 16.1862



0.0775, 0.1196, 0.1349

Inverse Universe

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



10.8699, 5.5783, 1.6672



19.4141, 9.9683, 2.7158



11.3864, 6.9663, 0.7449



5.0728, 5.0646, 5.4719



9.8155, 5.0363, 1.5327



0.0697, 0.0352, 0.0337

Previews

White Background



This preview shows how the XYZ color 12.0471, 19.5910, 17.8983 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 12.0471, 19.5910, 17.8983 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 12.0471, 19.5910, 17.8983

Background



This preview shows how black text looks on a background with the XYZ color 12.0471, 19.5910, 17.8983.



This preview shows how white text looks on a background with the XYZ color 12.0471, 19.5910,

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

12.0471, 19.5910, 17.8983

Protanopia

18.3618, 19.5258, 15.1130

Deuteranopia

19.7263, 19.4289, 18.9301



Tritanopia

14.5908, 19.5868, 29.7997

Trichromacy



Original Color

12.0471, 19.5910, 17.8983

Protanomaly

13.6975, 18.2317, 15.8938

Deuteranomaly

14.3720, 18.1402, 18.3667

Tritanomaly

13.4210, 19.5073, 24.8877

Monochromacy



Original Color

12.0471, 19.5910, 17.8983

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.7397, 13.0326, 14.0588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0471, 19.5910, 17.8983 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(0, 139, 110)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 110)  
}
```

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(0, 139, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.0471, 19.5910, 17.8983 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(0, 139, 110) }
```


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

```
.border{ border-color:rgb(0, 139, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 110);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0471, 19.5910, 17.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 110) }
```

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

```
.background{ background-color: rgb(0, 139,  
110) }
```

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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