

Converting Colors

XYZ(10.4771, 17.7131, 16.8438)

Have a look what the booklet for
XYZ(10.4771, 17.7131, 16.8438)
contains.

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Color

**XYZ(11.1789, 18.1117,
16.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	00866B
RGB	0, 134, 107
RGB Percent	0%, 53%, 42%
CMY	1.0000, 0.4745, 0.5804
CMYK	1.00, 0.00, 0.20, 0.47
HSL	168°, 100%, 26%
HSV	168°, 100%, 53%
XYZ	11.1789, 18.1117, 16.8166
YIQ	90.8560, -71.1970, -36.8050

Conversions

Conversions Part 2

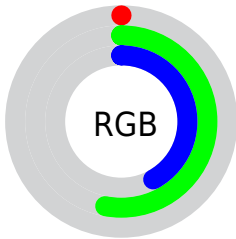
Format	Color
RYB	0, 75, 134
Decimal	34411
CIELab	49.63, -37.92, 5.85
CIELCh	50, 38.366, 171.227
Yxy	18.1117, 0.2425, 0.3928
Android (android.graphics.Color)	4278224491 (0xFF00866B)
YUV	90.8560, 7.9590, -79.6807
Hunter-Lab	42.5578, -27.5887, 6.3622

Details

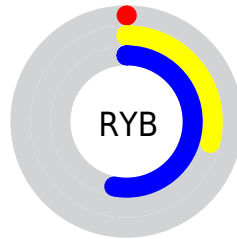
The XYZ color **11.1789, 18.1117, 16.8166** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.0299, 5.1479, 1.5025**, and the grayscale version is **9.9062, 10.4220, 11.3496**.

A 20% lighter version of the original color is **27.5481, 40.1844, 38.6522**, and **3.9089, 6.5128, 5.3260** is the 20% darker color. If you saturate the color by 10%, you get **11.1792, 18.1123, 16.8165**, and if you desaturate by 10%, it is **11.4957, 18.2588, 17.5851**.

Distribution



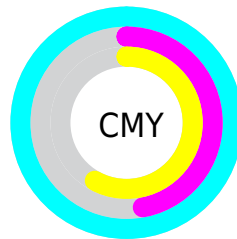
- Red (0%)
- Green (53%)
- Blue (42%)



- Red (0%)
- Yellow (29%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1789, 18.1117, 16.8166 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 11.1789, 18.1117, 16.8166 by changing the saturation by 10% instead.

■ 11.1789, 18.1117,
16.8166

■ 11.1789, 18.1117,
16.8166

192.7739,
241.4999, 246.1213

■ 6.2555, 11.0302,
9.9432

■ 27.6205, 40.2276,
38.7965

■ 3.0432, 6.0872,
5.2562

■ 39.8695, 56.0307,
54.7401

■ 1.1766, 2.8982,
2.3370

■ 55.2909, 75.5099,
74.5442

■ 0.0878, 1.0788,
0.7518

■ 74.2503, 99.0495,
98.6274

■ 0.0000, 0.0000,
0.0000

■ 97.1129, 127.0339,
127.4082

■ 124.2442,

159.8475, 161.3050

156.0094,
197.8747, 200.7366

■ 11.1789, 18.1117,
16.8166

■ 11.1789, 18.1117,
16.8166

■ 11.1792, 18.1123,
16.8165

■ 11.4957, 18.2588,
17.5851

■ 11.9194, 18.4600,
18.3817

■ 12.5090, 18.7463,
19.2095

■ 13.2841, 19.1276,
20.0698

■ 14.2616, 19.6127,
20.9636

■ 15.4563, 20.2093,
21.8917

■ 16.8817, 20.9243,
22.8549

■ 18.5503, 21.7641,
23.8541

■ 20.4735, 22.7346,
24.8900

Harmonies

Analogous

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



12.3111, 18.1117, 9.6373



11.1789, 18.1117, 16.8166



11.4764, 18.1117, 27.9112

Triad

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



11.1789, 18.1117, 16.8166



19.8771, 18.1117, 44.9507



21.9839, 18.1117, 7.8516

Complementary

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



11.1789, 18.1117, 16.8166



10.0299, 5.1479, 1.5025

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.



24.6036, 18.1117, 13.3130



11.1789, 18.1117, 16.8166



23.2729, 18.1117, 35.1383

Square

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



11.1789, 18.1117, 16.8166



16.1683, 18.1117, 46.9297



25.1060, 18.1117, 22.9410



18.3051, 18.1117, 5.7971

Rectangle

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



11.1789, 18.1117, 16.8166



12.4659, 18.1117, 36.1143



25.1060, 18.1117, 22.9410



23.0380, 18.1117, 9.2348

Sweetspot

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



11.1794, 18.1124, 16.8170



29.5624, 36.7746, 40.1516



9.0333, 17.3126, 2.8658



6.4496, 8.1793, 8.9080



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.1794, 18.1124, 16.8170



19.6411, 31.8891, 29.3389



8.4896, 10.0939, 24.0559



4.7625, 5.2632, 5.7605



10.4800, 16.9749, 15.7792



0.0388, 0.0598, 0.0680

Inverse Universe

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



10.0299, 5.1479, 1.5025



17.6247, 9.0509, 2.4037



10.5242, 6.4531, 0.6912



4.7081, 4.7029, 5.0753



9.4024, 4.8253, 1.4252



0.0347, 0.0176, 0.0163

Previews

White Background



This preview shows how the XYZ color 11.1789, 18.1117, 16.8166 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 11.1789, 18.1117, 16.8166 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 11.1789, 18.1117, 16.8166

Background



This preview shows how black text looks on a background with the XYZ color 11.1789, 18.1117, 16.8166.



This preview shows how white text looks on a background with the XYZ color 11.1789, 18.1117,

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

11.1789, 18.1117, 16.8166

Protanopia

16.9256, 17.9085, 14.3690

Deuteranopia

18.2466, 18.0076, 17.5530



Tritanopia

13.5913, 18.3098, 27.6288

Trichromacy



Original Color

11.1789, 18.1117, 16.8166



Protanomaly

12.7057, 16.7875, 15.1410



Deuteranomaly

13.2191, 16.6395, 17.2669



Tritanomaly

12.4135, 17.9978, 23.2417

Monochromacy



Original Color

11.1789, 18.1117, 16.8166



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

9.1603, 12.2780, 13.1964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1789, 18.1117, 16.8166 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, 134, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 107)  
}
```

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, 134, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 107) }
```

Border

The CSS property to change the border of an element to XYZ 11.1789, 18.1117, 16.8166 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, 134, 107) }
```


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

```
.border{ border-color:rgb(0, 134, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1789, 18.1117, 16.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 107) }
```

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

```
.background{ background-color: rgb(0, 134,  
107) }
```

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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