

Converting Colors

XYZ(11.8663, 19.2881, 17.6574)

Have a look what the booklet for
XYZ(11.8663, 19.2881, 17.6574)
contains.

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Color

**XYZ(11.8488, 19.2811,
17.5651)**

Conversions

Conversions Part 1

Format	Color
Hex	008A6D
RGB	0, 138, 109
RGB Percent	0%, 54%, 43%
CMY	1.0000, 0.4588, 0.5725
CMYK	1.00, 0.00, 0.21, 0.46
HSL	167°, 100%, 27%
HSV	167°, 100%, 54%
XYZ	11.8488, 19.2811, 17.5651
YIQ	93.4320, -72.9390, -38.2750

Conversions

Conversions Part 2

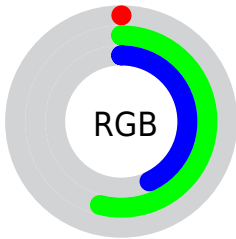
Format	Color
RYB	0, 77, 138
Decimal	35437
CIELab	51.01, -39.08, 6.67
CIELCh	51, 39.645, 170.318
Yxy	19.2811, 0.2433, 0.3960
Android (android.graphics.Color)	4278225517 (0xFF008A6D)
YUV	93.4320, 7.6750, -81.9399
Hunter-Lab	43.9102, -28.6763, 7.0198

Details

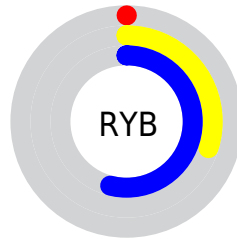
The XYZ color **11.8488, 19.2811, 17.5651** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.7037, 5.4925, 1.6592**, and the grayscale version is **10.5014, 11.0483, 12.0316**.

A 20% lighter version of the original color is **28.7621, 42.0763, 39.8633**, and **4.2777, 7.1642, 5.7148** is the 20% darker color. If you saturate the color by 10%, you get **11.8491, 19.2817, 17.5648**, and if you desaturate by 10%, it is **12.1862, 19.4371, 18.4100**.

Distribution



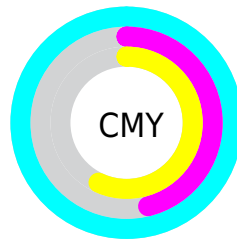
- Red (0%)
- Green (54%)
- Blue (43%)



- Red (0%)
- Yellow (30%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8488, 19.2811, 17.5651 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 11.8488, 19.2811, 17.5651 by changing the saturation by 10% instead.

■ 11.8488, 19.2811,
17.5651

■ 11.8488, 19.2811,
17.5651

197.1921,
247.9962, 250.5614

■ 6.7123, 11.8736,
10.4720

■ 28.8387, 42.2086,
40.0987

■ 3.3275, 6.6576,
5.6033

■ 41.4227, 58.4973,
56.3764

■ 1.3292, 3.2489,
2.5406

■ 57.2200, 78.5152,
76.5526

■ 0.2049, 1.2630,
0.8615

■ 76.5959, 102.6466,
101.0459

■ 0.0000, 0.1123,
0.0000

■ 99.9157, 131.2761,
130.2749

■ 0.0000, 0.0000,
0.0000

■ 127.5447,

164.7879, 164.6582

159.8484,
203.5665, 204.6141

■ 11.8488, 19.2811,
17.5651

■ 11.8488, 19.2811,
17.5651

■ 11.8491, 19.2817,
17.5648

■ 12.1862, 19.4371,
18.4100

■ 12.6403, 19.6523,
19.2870

■ 13.2721, 19.9585,
20.1998

■ 14.1029, 20.3666,
21.1495

■ 15.1507, 20.8860,
22.1373

■ 16.4316, 21.5249,
23.1641

■ 17.9601, 22.2909,
24.2308

■ 19.7496, 23.1907,
25.3384

■ 21.8125, 24.2309,
26.4876

Harmonies

Analogous

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



13.1107, 19.2811, 9.9974



11.8488, 19.2811, 17.5651



12.1216, 19.2811, 29.4272

Triad

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



11.8488, 19.2811, 17.5651



21.0731, 19.2811, 48.4802



23.5789, 19.2811, 8.3677

Complementary

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



11.8488, 19.2811, 17.5651



10.7037, 5.4925, 1.6592

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.



26.3522, 19.2811, 14.3485



11.8488, 19.2811, 17.5651



24.7683, 19.2811, 38.0367

Square

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



11.8488, 19.2811, 17.5651



17.0861, 19.2811, 50.3143



26.8161, 19.2811, 24.8420



19.6247, 19.2811, 6.0841

Rectangle

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



11.8488, 19.2811, 17.5651



13.1538, 19.2811, 38.3105



26.8161, 19.2811, 24.8420



24.7026, 19.2811, 9.8858

Sweetspot

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



11.8493, 19.2818, 17.5656



31.4680, 39.1955, 42.5853



9.6217, 18.4523, 3.0549



6.8294, 8.6766, 9.3970



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.



11.8493, 19.2818, 17.5656



20.8267, 33.9628, 30.6512



9.0406, 10.7408, 25.6423



5.1286, 5.6709, 6.1981



10.8689, 17.6801, 16.1322



0.0774, 0.1195, 0.1347

Inverse Universe

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



10.7037, 5.4925, 1.6592



18.8171, 9.6611, 2.6660



11.2108, 6.8617, 0.7339



5.0731, 5.0647, 5.4734



9.8179, 5.0373, 1.5452



0.0697, 0.0353, 0.0339

Previews

White Background



This preview shows how the XYZ color 11.8488, 19.2811, 17.5651 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 11.8488, 19.2811, 17.5651 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 11.8488, 19.2811, 17.5651

Background



This preview shows how black text looks on a background with the XYZ color 11.8488, 19.2811, 17.5651.



This preview shows how white text looks on a background with the XYZ color 11.8488, 19.2811,

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

11.8488, 19.2811, 17.5651

Protanopia

18.0397, 19.1840, 14.8087

Deuteranopia

19.3902, 19.0884, 18.5820



Tritanopia

14.3764, 19.2809, 29.3494

Trichromacy



Original Color

11.8488, 19.2811, 17.5651

Protanomaly

13.4309, 17.9073, 15.5805

Deuteranomaly

14.0960, 17.8155, 18.0250

Tritanomaly

13.2127, 19.1997, 24.4823

Monochromacy



Original Color

11.8488, 19.2811, 17.5651

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.5244, 12.7679, 13.7668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8488, 19.2811, 17.5651 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, 138, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 109)  
}
```

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, 138, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.8488, 19.2811, 17.5651 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, 138, 109) }
```


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

```
.border{ border-color:rgb(0, 138, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8488, 19.2811, 17.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 109) }
```

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

```
.background{ background-color: rgb(0, 138,  
109) }
```

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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