

Converting Colors

XYZ(8.5074, 17.2319, 13.6372)

Have a look what the booklet for
XYZ(8.5074, 17.2319, 13.6372)
contains.

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Color

**XYZ(10.8697, 18.4345,
13.8118)**

Conversions

Conversions Part 1

Format	Color
Hex	00885F
RGB	0, 136, 95
RGB Percent	0%, 53%, 37%
CMY	1.0000, 0.4667, 0.6274
CMYK	1.00, 0.00, 0.30, 0.47
HSL	162°, 100%, 27%
HSV	162°, 100%, 53%
XYZ	10.8697, 18.4345, 13.8118
YIQ	90.6620, -67.8950, -41.5830

Conversions

Conversions Part 2

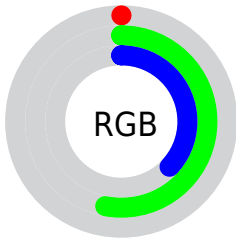
Format	Color
RYB	0, 80, 136
Decimal	34911
CIELab	50.02, -41.87, 13.33
CIELCh	50, 43.940, 162.334
Yxy	18.4345, 0.2521, 0.4276
Android (android.graphics.Color)	4278224991 (0xFF00885F)
YUV	90.6620, 2.1386, -79.5106
Hunter-Lab	42.9354, -29.9472, 10.9819

Details

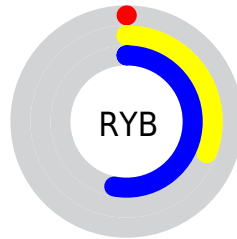
The XYZ color **10.8697, 18.4345, 13.8118** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.5542, 5.3948, 2.5837**, and the grayscale version is **9.8744, 10.3887, 11.3133**.

A 20% lighter version of the original color is **26.9951, 40.6516, 33.6179**, and **3.8029, 6.7188, 4.0021** is the 20% darker color. If you saturate the color by 10%, you get **10.8700, 18.4351, 13.8116**, and if you desaturate by 10%, it is **11.2366, 18.6020, 14.8282**.

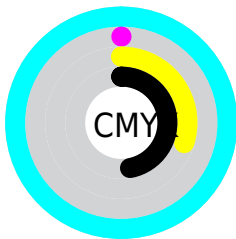
Distribution



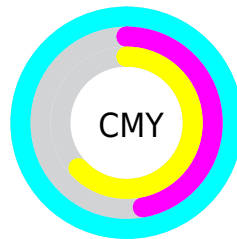
- Red (0%)
- Green (53%)
- Blue (37%)



- Red (0%)
- Yellow (31%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8697, 18.4345, 13.8118 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 10.8697, 18.4345, 13.8118 by changing the saturation by 10% instead.

■ 10.8697, 18.4345,
13.8118

■ 10.8697, 18.4345,
13.8118

190.6982,
243.3088, 227.4444

■ 6.0459, 11.2624,
7.8526

■ 27.0541, 40.7763,
33.4670

■ 2.9140, 6.2436,
3.9144

■ 39.1454, 56.7148,
48.0002

■ 1.1084, 2.9938,
1.5785

■ 54.3899, 76.3442,
66.2284

■ 0.0321, 1.1285,
0.2754

■ 73.1530, 100.0490,
88.5702

■ 0.0000, 0.0021,
0.0000

■ 95.8000, 128.2134,
115.4442

■ 0.0000, 0.0000,
0.0000

■ 122.6963,

161.2219, 147.2689

154.2073,
199.4589, 184.4628

■ 10.8697, 18.4345,
13.8118

■ 10.8697, 18.4345,
13.8118

■ 10.8700, 18.4351,
13.8116

■ 11.2366, 18.6020,
14.8282

■ 11.7203, 18.8281,
15.9017

■ 12.3811, 19.1443,
17.0362

■ 13.2393, 19.5612,
18.2334

■ 14.3126, 20.0876,
19.4948

■ 15.6165, 20.7318,
20.8219

■ 17.1651, 21.5009,
22.2161

■ 18.9713, 22.4015,
23.6786

■ 21.0471, 23.4399,
25.2106

Harmonies

Analogous

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



12.6041, 18.4345, 7.3255



10.8697, 18.4345, 13.8118



10.7281, 18.4345, 25.4580

Triad

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



10.8697, 18.4345, 13.8118



19.3130, 18.4345, 52.4215



24.2325, 18.4345, 8.1346

Complementary

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



10.8697, 18.4345, 13.8118



10.5542, 5.3948, 2.5837

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.



26.7070, 18.4345, 15.5050



10.8697, 18.4345, 13.8118



23.5756, 18.4345, 42.6260

Square

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



10.8697, 18.4345, 13.8118



15.1719, 18.4345, 51.3670



26.4489, 18.4345, 27.9851



20.1019, 18.4345, 5.0711

Rectangle

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



10.8697, 18.4345, 13.8118



11.5192, 18.4345, 35.2483



26.4489, 18.4345, 27.9851



25.3133, 18.4345, 10.0296

Sweetspot

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



10.8702, 18.4352, 13.8122



30.0558, 37.7935, 38.9849



9.8039, 18.1241, 2.9818



6.7193, 8.6326, 8.8172



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.



10.8702, 18.4352, 13.8122



19.0846, 32.4587, 23.9662



10.1363, 13.1619, 25.2996



5.1097, 5.6634, 6.0986



10.2920, 17.4494, 13.0940



0.0749, 0.1185, 0.1212

Inverse Universe

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



10.5542, 5.3948, 2.5837



18.5369, 9.4818, 4.2270



10.5001, 5.9272, 0.5909



5.0909, 5.0718, 5.5672



9.9925, 5.1071, 2.4646



0.0723, 0.0363, 0.0473

Previews

White Background



This preview shows how the XYZ color 10.8697, 18.4345, 13.8118 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 10.8697, 18.4345, 13.8118 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 10.8697, 18.4345, 13.8118

Background



This preview shows how black text looks on a background with the XYZ color 10.8697, 18.4345, 13.8118.



This preview shows how white text looks on a background with the XYZ color 10.8697, 18.4345,

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

10.8697, 18.4345, 13.8118

Protanopia

16.9511, 18.1570, 11.6281

Deuteranopia

18.4709, 18.1890, 14.5939



Tritanopia

13.9171, 18.4692, 28.0307

Trichromacy



Original Color

10.8697, 18.4345, 13.8118



Protanomaly

12.5724, 17.1547, 12.3214



Deuteranomaly

13.0946, 16.8271, 14.1131



Tritanomaly

12.3960, 18.2190, 21.9321

Monochromacy



Original Color

10.8697, 18.4345, 13.8118



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.9344, 12.1876, 12.0068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8697, 18.4345, 13.8118 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, 136, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 95)  
}
```

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, 136, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 95) }
```

Border

The CSS property to change the border of an element to XYZ 10.8697, 18.4345, 13.8118 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, 136, 95) }
```


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

```
.border{ border-color:rgb(0, 136, 95) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 136, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8697, 18.4345, 13.8118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 95) }
```

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

```
.background{ background-color: rgb(0, 136,  
95) }
```

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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