

Converting Colors

XYZ(7.1946, 17.0021, 12.1057)

Have a look what the booklet for
XYZ(7.1946, 17.0021, 12.1057)
contains.

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Color

**XYZ(10.8499, 18.8815,
12.3052)**

Conversions

Conversions Part 1

Format	Color
Hex	008A58
RGB	0, 138, 88
RGB Percent	0%, 54%, 35%
CMY	1.0000, 0.4588, 0.6549
CMYK	1.00, 0.00, 0.36, 0.46
HSL	158°, 100%, 27%
HSV	158°, 100%, 54%
XYZ	10.8499, 18.8815, 12.3052
YIQ	91.0380, -66.1980, -44.8060

Conversions

Conversions Part 2

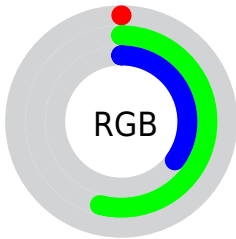
Format	Color
RYB	0, 84, 138
Decimal	35416
CIELab	50.55, -44.30, 18.04
CIELCh	51, 47.831, 157.838
Yxy	18.8815, 0.2581, 0.4492
Android (android.graphics.Color)	4278225496 (0xFF008A58)
YUV	91.0380, -1.4977, -79.8403
Hunter-Lab	43.4528, -31.4722, 13.6269

Details

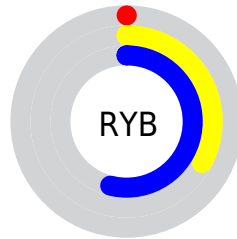
The XYZ color **10.8499, 18.8815, 12.3052** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.0575, 5.6339, 3.5230**, and the grayscale version is **9.9673, 10.4863, 11.4196**.

A 20% lighter version of the original color is **26.9168, 41.3281, 30.6032**, and **3.8261, 6.9836, 3.3368** is the 20% darker color. If you saturate the color by 10%, you get **10.8502, 18.8822, 12.3052**, and if you desaturate by 10%, it is **11.2428, 19.0598, 13.4427**.

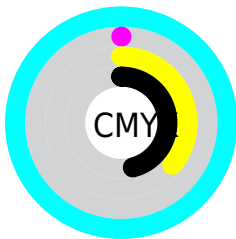
Distribution



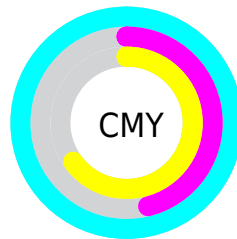
- Red (0%)
- Green (54%)
- Blue (35%)



- Red (0%)
- Yellow (33%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8499, 18.8815, 12.3052 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 10.8499, 18.8815, 12.3052 by changing the saturation by 10% instead.

 10.8499, 18.8815,
12.3052


 10.8499, 18.8815,
12.3052


190.5645,
245.7938, 217.4646


 6.0325, 11.5847,
6.8268


 27.0177, 41.5338,
30.7224


 2.9057, 6.4616,
3.2772


 39.0988, 57.6580,
44.4984


 1.1041, 3.1277,
1.2379

 54.3319, 77.4935,
61.8772

 0.0285, 1.1988,
0.0101

 73.0824, 101.4247,
83.2776

 0.0000, 0.0607,
0.0000

 95.7155, 129.8359,
109.1180

 0.0000, 0.0000,
0.0000

 122.5966,

163.1115, 139.8169

154.0912,
201.6361, 175.7929

■ 10.8499, 18.8815,
12.3052

■ 10.8499, 18.8815,
12.3052

■ 10.8502, 18.8822,
12.3052

■ 11.2428, 19.0598,
13.4427

■ 11.7617, 19.3008,
14.6613

■ 12.4678, 19.6367,
15.9658

■ 13.3826, 20.0784,
17.3583

■ 14.5243, 20.6354,
18.8412

■ 15.9093, 21.3159,
20.4164

■ 17.5522, 22.1276,
22.0860

■ 19.4666, 23.0774,
23.8518

■ 21.6649, 24.1717,
25.7155

Harmonies

Analogous

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



12.9833, 18.8815, 6.2049



10.8499, 18.8815, 12.3052



10.4409, 18.8815, 24.2682

Triad

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



10.8499, 18.8815, 12.3052



19.1987, 18.8815, 57.9962



26.0109, 18.8815, 8.4762

Complementary

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



10.8499, 18.8815, 12.3052



11.0575, 5.6339, 3.5230

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.



28.3900, 18.8815, 17.2480



10.8499, 18.8815, 12.3052



24.0359, 18.8815, 48.2823

Square

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



10.8499, 18.8815, 12.3052



14.7683, 18.8815, 54.7461



27.6106, 18.8815, 31.8626



21.5503, 18.8815, 4.7572

Rectangle

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



10.8499, 18.8815, 12.3052



11.1208, 18.8815, 35.0540



27.6106, 18.8815, 31.8626



27.1129, 18.8815, 10.7380

Sweetspot

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



10.8504, 18.8822, 12.3056



30.7367, 38.9029, 38.7341



10.4342, 18.8712, 3.0927



6.6486, 8.6043, 8.4447



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.



10.8504, 18.8822, 12.3056



19.0473, 33.2510, 21.2812



11.2565, 15.1727, 26.3809



5.0972, 5.6584, 6.0329



9.9549, 17.3146, 11.3192



0.0732, 0.1178, 0.1123

Inverse Universe

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



11.0575, 5.6339, 3.5230



19.4198, 9.9021, 5.8398



10.7046, 5.8493, 0.5650



5.1029, 5.0766, 5.6303



10.1443, 5.1678, 3.2640



0.0740, 0.0370, 0.0563

Previews

White Background



This preview shows how the XYZ color 10.8499, 18.8815, 12.3052 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 10.8499, 18.8815, 12.3052 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 10.8499, 18.8815, 12.3052

Background



This preview shows how black text looks on a background with the XYZ color 10.8499, 18.8815, 12.3052.



This preview shows how white text looks on a background with the XYZ color 10.8499, 18.8815,

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

10.8499, 18.8815, 12.3052

Protanopia

17.3704, 18.7580, 10.2945

Deuteranopia

18.9217, 18.6272, 12.9541



Tritanopia

14.2654, 18.8386, 28.4755

Trichromacy



Original Color

10.8499, 18.8815, 12.3052



Protanomaly

12.7180, 17.6423, 10.9186



Deuteranomaly

13.0911, 17.0451, 12.4976



Tritanomaly

12.6030, 18.7466, 21.3666

Monochromacy



Original Color

10.8499, 18.8815, 12.3052



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.9529, 12.3629, 11.5873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8499, 18.8815, 12.3052 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 88) }
```

Border

The CSS property to change the border of an element to XYZ 10.8499, 18.8815, 12.3052 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, 88) }
```


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

```
.border{ border-color:rgb(0, 138, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8499, 18.8815, 12.3052 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, 88) }
```

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

```
.background{ background-color: rgb(0, 138,  
88) }
```

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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