

Converting Colors

XYZ(28.3898, 48.1089, 8.4057)

Have a look what the booklet for
XYZ(28.3898, 48.1089, 8.4057)
contains.

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Color

**XYZ(28.3823, 48.1018,
8.4048)**

Conversions

Conversions Part 1

Format	Color
Hex	68D013
RGB	104, 208, 19
RGB Percent	41%, 82%, 7%
CMY	0.5922, 0.1843, 0.9254
CMYK	0.50, 0.00, 0.91, 0.18
HSL	93°, 83%, 45%
HSV	93°, 91%, 82%
XYZ	28.3823, 48.1018, 8.4048
YIQ	155.3580, -1.3150, -80.8270

Conversions

Conversions Part 2

Format	Color
RYB	19, 208, 123
Decimal	6869011
CIELab	74.89, -57.56, 71.55
CIELCh	75, 91.830, 128.818
Yxy	48.1018, 0.3343, 0.5666
Android (android.graphics.Color)	4285059091 (0xFF68D013)
YUV	155.3580, -67.2245, -45.0410
Hunter-Lab	69.3555, -48.3246, 41.3638

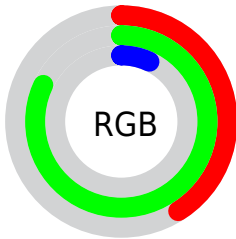
Details

The XYZ color **28.3823, 48.1018, 8.4048** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **19.7903, 9.2331, 60.4163**, and the grayscale version is **31.6058, 33.2518, 36.2112**.

A 20% lighter version of the original color is **52.8730, 80.1338, 22.1319**, and **12.0509, 23.1225, 3.8280** is the 20% darker color. If you saturate the color by 10%, you get **27.1253, 47.4689, 7.7328**, and if you desaturate by 10%, it is **30.0659, 48.9409, 9.8531**.

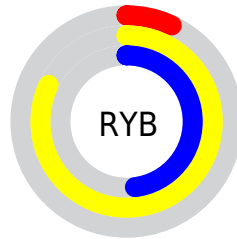
Distribution



Red (41%)

Green (82%)

Blue (7%)



Red (7%)

Yellow (82%)

Blue (48%)

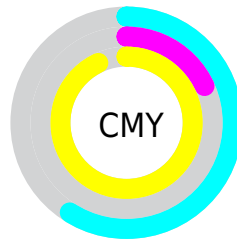


Cyan (50%)

Magenta (0%)

Yellow (91%)

Black (18%)



Cyan (59%)


Magenta (18%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3823, 48.1018, 8.4048 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 28.3823, 48.1018, 8.4048 by changing the saturation by 10% instead.


 28.3823, 48.1018,
8.4048


 28.3823, 48.1018,
8.4048


286.3363,
379.1955, 188.9250


 18.7560, 33.9075,
4.2636


 56.4986, 87.3560,
23.3074


 11.5970, 22.8226,
1.7710


 75.7193, 113.1846,
34.9059

 6.5402, 14.4625,
0.4087


 98.8688, 143.6602,
49.8272

 3.2200, 8.4431,
0.0000

 126.3125,
179.1671, 68.4898

 1.2711, 4.3797,
0.0000

 158.4158,
220.0896, 91.3124

 0.1615, 1.8882,
0.0000

 195.5439,

 0.0000, 0.5413,

266.8123, 118.7135

0.0000

238.0623,
319.7195, 151.1115

■ 0.0000, 0.0000,
0.0000

■ 28.3823, 48.1018,
8.4048

■ 28.3823, 48.1018,
8.4048

■ 27.1253, 47.4689,
7.7328

■ 30.0659, 48.9409,
9.8531

■ 32.1254, 49.9504,
12.3093

■ 34.5955, 51.1465,
15.9159

■ 37.5046, 52.5413,
20.7920

■ 40.8784, 54.1458,
27.0417

■ 44.7403, 55.9698,
34.7584

■ 49.1118, 58.0228,
44.0271

■ 54.0129, 60.3132,
54.9266

■ 59.4627, 62.8494,
67.5302

Harmonies

Analogous

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



40.9659, 48.1018, 3.9060



28.3823, 48.1018, 8.4048



21.8162, 48.1018, 25.6523

Triad

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



28.3823, 48.1018, 8.4048



35.0586, 48.1018, 193.6854



85.4165, 48.1018, 39.4900

Complementary

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



28.3823, 48.1018, 8.4048



19.7903, 9.2331, 60.4163

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.



82.7267, 48.1018, 93.1864



28.3823, 48.1018, 8.4048



50.8270, 48.1018, 206.2206

Square

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



28.3823, 48.1018, 8.4048



24.9662, 48.1018, 133.8894



68.9787, 48.1018, 161.8545



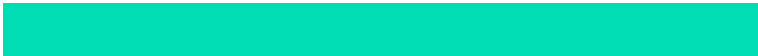
75.6221, 48.1018, 13.2630

Rectangle

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



28.3823, 48.1018, 8.4048



20.5205, 48.1018, 50.4981



68.9787, 48.1018, 161.8545



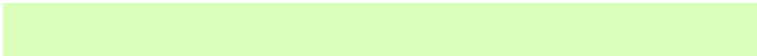
85.9838, 48.1018, 54.2972

Sweetspot

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



28.3834, 48.1039, 8.4059



73.2869, 89.8401, 60.0163



33.2093, 27.6135, 4.1965



15.1934, 18.9975, 11.8188



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.3834, 48.1039, 8.4059



42.7865, 75.1423, 12.2488



23.0410, 45.3385, 8.6649



12.1539, 13.4628, 12.5700



17.0132, 29.6396, 4.8243



1.0420, 1.7040, 0.2740

Inverse Universe

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



19.7903, 9.2331, 60.4163



28.9215, 12.8245, 95.5588



36.5039, 17.9797, 55.3087



11.7767, 11.7337, 14.8878



11.5717, 5.1457, 37.5758



0.7377, 0.3345, 2.1052

Previews

White Background



This preview shows how the XYZ color 28.3823, 48.1018, 8.4048 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.3823, 48.1018, 8.4048 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3823, 48.1018, 8.4048

Background



This preview shows how black text looks on a background with the XYZ color 28.3823, 48.1018, 8.4048.



This preview shows how white text looks on a background with the XYZ color 28.3823, 48.1018,

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

28.3823, 48.1018, 8.4048

Protanopia

42.8726, 47.5464, 6.9177

Deuteranopia

48.2623, 47.2924, 9.1694



Tritanopia

40.0943, 47.6489, 67.4056

Trichromacy



Original Color

28.3823, 48.1018, 8.4048



Protanomaly

35.6859, 46.7013, 7.3344



Deuteranomaly

37.6445, 45.4355, 8.4549



Tritanomaly

32.9537, 46.4192, 32.0339

Monochromacy



Original Color

28.3823, 48.1018, 8.4048



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

27.8909, 36.5470, 19.2199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3823, 48.1018, 8.4048 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(104, 208, 19)` looks like.

```
.text, #text, p{  
    color:rgb(104, 208, 19)  
}
```

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(104, 208, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 208, 19) }
```

Border

The CSS property to change the border of an element to XYZ 28.3823, 48.1018, 8.4048 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(104, 208, 19) }
```


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

```
.border{ border-color:rgb(104, 208, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 208, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 208, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 208, 19);  
box-shadow:4px 4px 4px 4px rgb(104, 208,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3823, 48.1018, 8.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 208, 19) }
```

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

```
.background{ background-color: rgb(104,  
208, 19) }
```

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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