

Converting Colors

XYZ(50.0107, 58.7678, 8.7075)

Have a look what the booklet for
XYZ(50.0107, 58.7678, 8.7075)
contains.

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Color

**XYZ(50.0444, 58.9218,
8.7354)**

Conversions

Conversions Part 1

Format	Color
Hex	D6CF00
RGB	214, 207, 0
RGB Percent	84%, 81%, 0%
CMY	0.1608, 0.1882, 0.9999
CMYK	0.00, 0.03, 1.00, 0.16
HSL	58°, 100%, 42%
HSV	58°, 100%, 84%
XYZ	50.0444, 58.9218, 8.7354
YIQ	185.4950, 70.6190, -62.8930

Conversions

Conversions Part 2

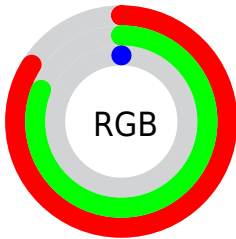
Format	Color
RYB	7, 214, 0
Decimal	14077696
CIELab	81.25, -15.43, 81.41
CIELCh	81, 82.860, 100.731
Yxy	58.9218, 0.4252, 0.5006
Android (android.graphics.Color)	4292267776 (0xFFD6CF00)
YUV	185.4950, -91.4490, 24.9989
Hunter-Lab	76.7605, -17.9570, 46.9851

Details

The XYZ color **50.0444, 58.9218, 8.7354** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **12.2140, 5.0075, 63.9407**, and the grayscale version is **46.8599, 49.3002, 53.6880**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **24.9088, 29.7510, 4.4297** is the 20% darker color. If you saturate the color by 10%, you get **50.0454, 58.9241, 8.7358**, and if you desaturate by 10%, it is **50.3548, 59.3199, 9.5262**.

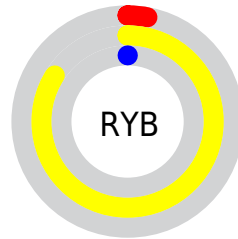
Distribution



Red (84%)

Green (81%)

Blue (0%)



Red (3%)

Yellow (84%)

Blue (0%)

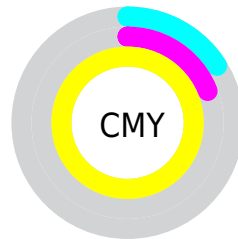


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (19%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0444, 58.9218, 8.7354 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 50.0444, 58.9218, 8.7354 by changing the saturation by 10% instead.


 50.0444, 58.9218,
8.7354


 50.0444, 58.9218,
8.7354


377.2887,
420.6121, 191.5364


 35.6666, 42.5502,
4.4745


 89.4321, 103.2640,
23.9575

 24.3457, 29.5323,
1.8891


 115.1727,
132.0034, 35.7559

 15.7164, 19.4839,
0.4858


 145.4316,
165.6341, 50.9039

 9.4133, 12.0204,
0.0000

 180.5743,
204.5406, 69.8199

 5.0710, 6.7576,
0.0000

 220.9659,
249.1072, 92.9227

 2.3242, 3.3110,
0.0000

 266.9720,

 0.8070, 1.2962,

299.7184, 120.6307

0.0000

318.9578,
356.7586, 153.3624

■ 0.0000, 0.1382,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.0444, 58.9218,
8.7354

■ 50.0444, 58.9218,
8.7354

■ 50.0454, 58.9241,
8.7358

■ 50.3548, 59.3199,
9.5262

■ 50.8189, 59.7785,
11.1286

■ 51.4892, 60.3208,
13.8133

■ 52.3941, 60.9581,
17.7296

■ 53.5574, 61.7000,
23.0031

■ 55.0002, 62.5549,
29.7442

■ 56.7412, 63.5303,
38.0519

■ 58.7975, 64.6330,
48.0165

■ 61.1850, 65.8694,
59.7216

Harmonies

Analogous

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



67.6938, 58.9218, 9.7418



50.0444, 58.9218, 8.7354



37.0078, 58.9218, 15.7018

Triad

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



50.0444, 58.9218, 8.7354



34.4181, 58.9218, 148.3826



93.5681, 58.9218, 100.9414

Complementary

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



50.0444, 58.9218, 8.7354



12.2140, 5.0075, 63.9407

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.



80.5893, 58.9218, 166.5928



50.0444, 58.9218, 8.7354



45.7429, 58.9218, 202.3404

Square

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



50.0444, 58.9218, 8.7354



29.3000, 58.9218, 83.5454



62.4176, 58.9218, 210.3255



95.3816, 58.9218, 48.0255

Rectangle

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



50.0444, 58.9218, 8.7354



31.7407, 58.9218, 27.9839



62.4176, 58.9218, 210.3255



90.2576, 58.9218, 122.7991

Sweetspot

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



50.0457, 58.9246, 8.7366



84.2937, 94.4296, 56.1671



27.7708, 14.3123, 1.5044



17.7957, 20.0753, 10.8401



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.



50.0457, 58.9246, 8.7366



74.3986, 87.5773, 12.9829



31.0048, 51.6799, 8.3418



13.4364, 14.4471, 13.2411



30.2651, 35.6474, 5.2855



1.8366, 2.1724, 0.3225

Inverse Universe

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



12.2140, 5.0075, 63.9407



18.1405, 7.4009, 95.0802



17.3800, 7.5580, 64.1607



11.7748, 12.0731, 15.6473



7.3970, 3.0558, 38.6531



0.4579, 0.2078, 2.3353

Previews

White Background



This preview shows how the XYZ color 50.0444, 58.9218, 8.7354 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 50.0444, 58.9218, 8.7354 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 50.0444, 58.9218, 8.7354

Background



This preview shows how black text looks on a background with the XYZ color 50.0444, 58.9218, 8.7354.



This preview shows how white text looks on a background with the XYZ color 50.0444, 58.9218,

8.7354.

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

50.0444, 58.9218, 8.7354

Protanopia

53.1154, 58.7350, 8.5375

Deuteranopia

60.1051, 58.6153, 9.3743



Tritanopia

61.7907, 58.5352, 67.0732

Trichromacy



Original Color

50.0444, 58.9218, 8.7354

Protanomaly

52.0243, 58.8737, 8.6218

Deuteranomaly

56.0190, 58.5048, 8.9561

Tritanomaly

54.2553, 57.1280, 29.9970

Monochromacy



Original Color

50.0444, 58.9218, 8.7354

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.3268, 51.6273, 24.7156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0444, 58.9218, 8.7354 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(214, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 207, 0)  
}
```

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(214, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 207, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.0444, 58.9218, 8.7354 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(214, 207, 0) }
```


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

```
.border{ border-color:rgb(214, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(214, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 207,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0444, 58.9218, 8.7354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 207, 0) }
```

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

```
.background{ background-color: rgb(214,  
207, 0) }
```

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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