

Converting Colors

XYZ(50.4901, 57.9645, 8.5272)

Have a look what the booklet for
XYZ(50.4901, 57.9645, 8.5272)
contains.

XYZ(50.5063, 58.0912, 8.5507)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.5063, 58.0912,
8.5507)**

Conversions

Conversions Part 1

Format	Color
Hex	DACC00
RGB	218, 204, 0
RGB Percent	85%, 80%, 0%
CMY	0.1451, 0.2000, 0.9999
CMYK	0.00, 0.06, 1.00, 0.15
HSL	56°, 100%, 43%
HSV	56°, 100%, 85%
XYZ	50.5063, 58.0912, 8.5507
YIQ	184.9300, 73.8280, -60.4760

Conversions

Conversions Part 2

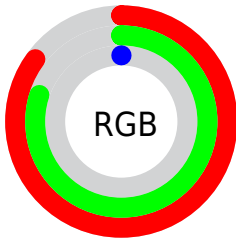
Format	Color
RYB	15, 218, 0
Decimal	14339072
CIELab	80.79, -12.21, 81.23
CIELCh	81, 82.144, 98.549
Yxy	58.0912, 0.4311, 0.4959
Android (android.graphics.Color)	4292529152 (0xFFDACC00)
YUV	184.9300, -91.1705, 29.0024
Hunter-Lab	76.2176, -15.0961, 46.7007

Details

The XYZ color **50.5063, 58.0912, 8.5507** 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 **12.8123, 5.3766, 66.6916**, and the grayscale version is **46.5405, 48.9642, 53.3220**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **25.0069, 29.0818, 4.2953** is the 20% darker color. If you saturate the color by 10%, you get **50.5071, 58.0932, 8.5511**, and if you desaturate by 10%, it is **50.9847, 58.8194, 9.4162**.

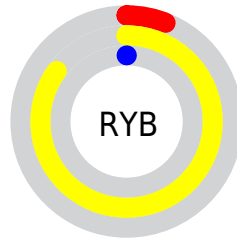
Distribution



Red (85%)

Green (80%)

Blue (0%)



Red (6%)

Yellow (85%)

Blue (0%)

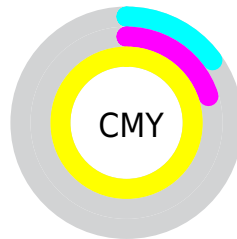


Cyan (0%)

Magenta (6%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5063, 58.0912, 8.5507 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 50.5063, 58.0912, 8.5507 by changing the saturation by 10% instead.


 50.5063, 58.0912,
8.5507


 50.5063, 58.0912,
8.5507


379.0619,
417.5257, 190.0828


 36.0353, 41.8820,
4.3565


 90.1119, 102.0557,
23.5949


 24.6317, 29.0089,
1.8229


 115.9773,
130.5797, 35.2820


 15.9301, 19.0875,
0.4430


 146.3714,
163.9774, 50.3039

 9.5653, 11.7336,
0.0000

 181.6597,
202.6333, 69.0790

 5.1717, 6.5625,
0.0000

 222.2076,
246.9316, 92.0259

 2.3842, 3.1900,
0.0000

 268.3804,

 0.8372, 1.2317,

297.2569, 119.5631

0.0000

320.5433,
353.9934, 152.1092

■ 0.0000, 0.0874,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.5063, 58.0912,
8.5507

■ 50.5063, 58.0912,
8.5507

■ 50.5071, 58.0932,
8.5511

■ 50.9847, 58.8194,
9.4162

■ 51.6263, 59.6155,
11.1318

■ 52.4853, 60.5034,
13.9775

■ 53.5915, 61.4949,
18.1096

■ 54.9698, 62.6001,
23.6601

■ 56.6422, 63.8278,
30.7442

■ 58.6283, 65.1858,
39.4656

■ 60.9462, 66.6814,
49.9190

■ 63.6124, 68.3212,
62.1916

Harmonies

Analogous

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



68.0207, 58.0912, 10.0629



50.5063, 58.0912, 8.5507



37.2812, 58.0912, 14.7149

Triad

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



50.5063, 58.0912, 8.5507



33.4332, 58.0912, 141.1409



91.4716, 58.0912, 103.9286

Complementary

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



50.5063, 58.0912, 8.5507



12.8123, 5.3766, 66.6916

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.



78.1344, 58.0912, 168.0321



50.5063, 58.0912, 8.5507



44.1248, 58.0912, 196.0969

Square

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



50.5063, 58.0912, 8.5507



28.8342, 58.0912, 78.1770



60.2054, 58.0912, 207.8756



94.1532, 58.0912, 50.3579

Rectangle

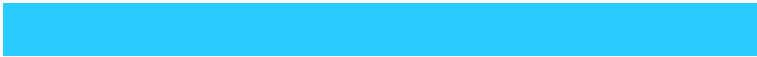
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.5063, 58.0912, 8.5507



31.8029, 58.0912, 25.9610



60.2054, 58.0912, 207.8756



87.9717, 58.0912, 125.5764

Sweetspot

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



50.5076, 58.0940, 8.5519



83.5395, 92.9211, 55.9157



28.9965, 14.9390, 1.7907



17.6121, 19.7081, 10.7788



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.



50.5076, 58.0940, 8.5519



71.9984, 82.7767, 12.1828



33.3175, 54.3935, 8.7436



14.0869, 15.1132, 13.9003



30.2899, 34.8653, 5.1332



1.9844, 2.3029, 0.3399

Inverse Universe

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



12.8123, 5.3766, 66.6916



18.2408, 7.6016, 95.1136



17.3204, 7.4675, 66.8575



12.4055, 12.7507, 16.4594



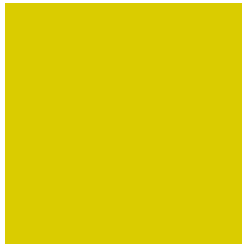
7.7028, 3.2750, 39.9646



0.5232, 0.2604, 2.5971

Previews

White Background



This preview shows how the XYZ color 50.5063, 58.0912, 8.5507 looks on a white background.

Color Contrast Check

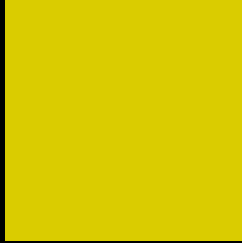
Large Text (above 18pt) WCAG AA × Fail

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 50.5063, 58.0912, 8.5507 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 50.5063, 58.0912, 8.5507

Background



This preview shows how black text looks on a background with the XYZ color 50.5063, 58.0912, 8.5507.

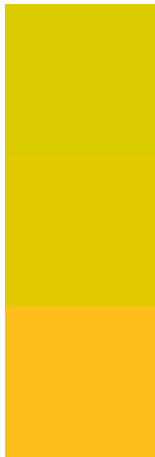


This preview shows how white text looks on a background with the XYZ color 50.5063, 58.0912,

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

50.5063, 58.0912, 8.5507

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

59.1311, 57.7934, 9.1373



Tritanopia

62.2675, 58.1755, 65.0739

Trichromacy



Original Color

50.5063, 58.0912, 8.5507

Protanomaly

51.5520, 57.9290, 8.4643

Deuteranomaly

55.5595, 57.5992, 8.7617

Tritanomaly

54.9084, 56.8107, 29.1907

Monochromacy



Original Color

50.5063, 58.0912, 8.5507

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.1456, 50.8776, 24.5805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5063, 58.0912, 8.5507 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(218, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 204, 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(218, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.5063, 58.0912, 8.5507 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(218, 204, 0) }
```


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

```
.border{ border-color:rgb(218, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5063, 58.0912, 8.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 204, 0) }
```

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

```
.background{ background-color: rgb(218,  
204, 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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