

Converting Colors

XYZ(49.5202, 58.6908, 8.8620)

Have a look what the booklet for
XYZ(49.5202, 58.6908, 8.8620)
contains.

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Color

**XYZ(49.4916, 58.6337,
8.8525)**

Conversions

Conversions Part 1

Format	Color
Hex	D4CF05
RGB	212, 207, 5
RGB Percent	83%, 81%, 2%
CMY	0.1686, 0.1882, 0.9803
CMYK	0.00, 0.02, 0.98, 0.17
HSL	59°, 95%, 43%
HSV	59°, 98%, 83%
XYZ	49.4916, 58.6337, 8.8525
YIQ	185.4670, 67.8220, -61.7620

Conversions

Conversions Part 2

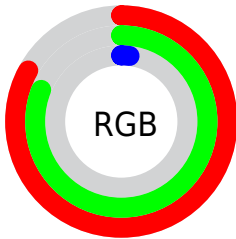
Format	Color
RYB	10, 212, 5
Decimal	13946629
CIELab	81.09, -16.24, 80.75
CIELCh	81, 82.370, 101.368
Yxy	58.6337, 0.4231, 0.5012
Android (android.graphics.Color)	4292136709 (0xFFD4CF05)
YUV	185.4670, -88.9702, 23.2694
Hunter-Lab	76.5726, -18.6313, 46.7464

Details

The XYZ color **49.4916, 58.6337, 8.8525** 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 **12.0552, 5.0033, 62.6172**, and the grayscale version is **46.8318, 49.2707, 53.6558**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **24.5281, 29.5548, 4.4119** is the 20% darker color. If you saturate the color by 10%, you get **49.4360, 58.5667, 8.6990**, and if you desaturate by 10%, it is **49.7785, 58.9493, 9.7452**.

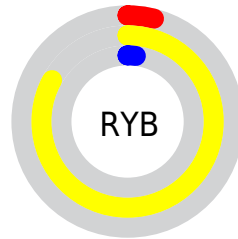
Distribution



Red (83%)

Green (81%)

Blue (2%)



Red (4%)

Yellow (83%)

Blue (2%)

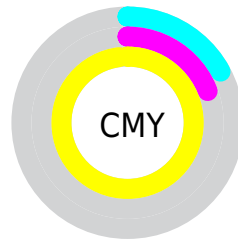


Cyan (0%)

Magenta (2%)

Yellow (98%)

Black (17%)



Cyan (17%)


Magenta (19%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4916, 58.6337, 8.8525 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 49.4916, 58.6337, 8.8525 by changing the saturation by 10% instead.


 49.4916, 58.6337,
8.8525


 49.4916, 58.6337,
8.8525


375.1594,
419.5431, 192.4511


 35.2257, 42.3183,
4.5496


 88.6175, 102.8451,
24.1867

 24.0042, 29.3506,
1.9314


 114.2082,
131.5099, 36.0550

 15.4615, 19.3462,
0.5126


 144.3047,
165.0600, 51.2823

 9.2323, 11.9207,
0.0000

 179.2721,
203.8797, 70.2870

 4.9513, 6.6897,
0.0000

 219.4760,
248.3535, 93.4877

 2.2532, 3.2688,
0.0000

 265.2816,

 0.7706, 1.2736,

298.8657, 121.3029

0.0000

317.0542,
355.8008, 154.1512

■ 0.0000, 0.1207,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4916, 58.6337,
8.8525

■ 49.4916, 58.6337,
8.8525

■ 49.4360, 58.5667,
8.6990

■ 49.7785, 58.9493,
9.7452

■ 50.2357, 59.3314,
11.5388

■ 50.9015, 59.7976,
14.4285

■ 51.8023, 60.3584,
18.5537

■ 52.9606, 61.0229,
24.0331

■ 54.3963, 61.7990,
30.9716

■ 56.1275, 62.6940,
39.4637

■ 58.1706, 63.7143,
49.5961

■ 60.5407, 64.8661,
61.4489

Harmonies

Analogous

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



66.9179, 58.6337, 9.7064



49.4916, 58.6337, 8.8525



36.6879, 58.6337, 16.0181

Triad

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



49.4916, 58.6337, 8.8525



34.5019, 58.6337, 148.5777



93.0893, 58.6337, 98.9330

Complementary

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



49.4916, 58.6337, 8.8525



12.0552, 5.0033, 62.6172

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.



80.4293, 58.6337, 163.9031



49.4916, 58.6337, 8.8525



45.8635, 58.6337, 201.2582

Square

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



49.4916, 58.6337, 8.8525



29.2931, 58.6337, 84.2786



62.4708, 58.6337, 207.9754



94.6167, 58.6337, 47.0092

Rectangle

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



49.4916, 58.6337, 8.8525



31.5490, 58.6337, 28.4938



62.4708, 58.6337, 207.9754



89.8897, 58.6337, 120.4865

Sweetspot

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



49.4929, 58.6365, 8.8537



84.7791, 94.9853, 57.6086



27.2716, 14.1323, 1.6358



17.8987, 20.2034, 11.1146



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.



49.4929, 58.6365, 8.8537



75.0688, 88.9175, 13.2063



30.6952, 50.7703, 8.3261



13.4460, 14.4661, 13.2443



30.5309, 36.1791, 5.3741



1.8498, 2.1988, 0.3269

Inverse Universe

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



12.0552, 5.0033, 62.6172



18.1168, 7.3535, 95.0723



17.3738, 7.6647, 62.8505



11.7664, 12.0562, 15.6444



7.3811, 3.0240, 38.6478



0.4538, 0.1997, 2.3339

Previews

White Background



This preview shows how the XYZ color 49.4916, 58.6337, 8.8525 looks on a white background.

Color Contrast Check

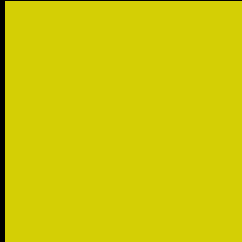
Large Text (above 18pt) WCAG AA × Fail

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 49.4916, 58.6337, 8.8525 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 49.4916, 58.6337, 8.8525

Background



This preview shows how black text looks on a background with the XYZ color 49.4916, 58.6337, 8.8525.

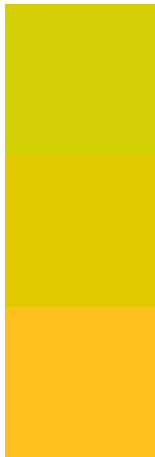


This preview shows how white text looks on a background with the XYZ color 49.4916, 58.6337,

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

49.4916, 58.6337, 8.8525

Protanopia

52.7991, 58.5720, 8.5227

Deuteranopia

59.7512, 58.4314, 9.4255



Tritanopia

61.1635, 58.2118, 67.0438

Trichromacy



Original Color

49.4916, 58.6337, 8.8525

Protanomaly

51.7280, 58.7197, 8.6651

Deuteranomaly

55.7077, 58.3412, 9.0839

Tritanomaly

53.7845, 56.8694, 30.6964

Monochromacy



Original Color

49.4916, 58.6337, 8.8525

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.9658, 51.0981, 25.2623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4916, 58.6337, 8.8525 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(212, 207, 5)` looks like.

```
.text, #text, p{  
    color:rgb(212, 207, 5)  
}
```

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(212, 207, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 207, 5) }
```

Border

The CSS property to change the border of an element to XYZ 49.4916, 58.6337, 8.8525 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(212, 207, 5) }
```


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

```
.border{ border-color:rgb(212, 207, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 207, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 207, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 207, 5);  
box-shadow:4px 4px 4px 4px rgb(212, 207,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4916, 58.6337, 8.8525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 207, 5) }
```

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

```
.background{ background-color: rgb(212,  
207, 5) }
```

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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