

Converting Colors

XYZ(49.0747, 56.8957, 8.3955)

Have a look what the booklet for
XYZ(49.0747, 56.8957, 8.3955)
contains.

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Color

**XYZ(49.0875, 57.0080,
8.4165)**

Conversions

Conversions Part 1

Format	Color
Hex	D6CB00
RGB	214, 203, 0
RGB Percent	84%, 80%, 0%
CMY	0.1608, 0.2039, 0.9999
CMYK	0.00, 0.05, 1.00, 0.16
HSL	57°, 100%, 42%
HSV	57°, 100%, 84%
XYZ	49.0875, 57.0080, 8.4165
YIQ	183.1470, 71.7190, -60.8010

Conversions

Conversions Part 2

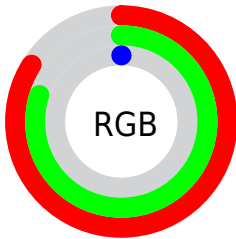
Format	Color
RYB	12, 214, 0
Decimal	14076672
CIELab	80.18, -13.43, 80.64
CIELCh	80, 81.749, 99.455
Yxy	57.0080, 0.4287, 0.4978
Android (android.graphics.Color)	4292266752 (0xFFD6CB00)
YUV	183.1470, -90.2915, 27.0581
Hunter-Lab	75.5036, -16.0824, 46.2434

Details

The XYZ color **49.0875, 57.0080, 8.4165** 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 **12.2577, 5.0950, 63.9552**, and the grayscale version is **45.5462, 47.9181, 52.1828**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **24.2650, 28.4635, 4.2151** is the 20% darker color. If you saturate the color by 10%, you get **49.0883, 57.0100, 8.4168**, and if you desaturate by 10%, it is **49.4886, 57.5876, 9.2375**.

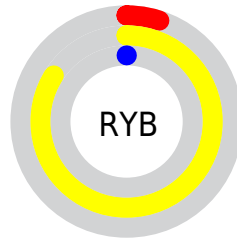
Distribution



Red (84%)

Green (80%)

Blue (0%)



Red (5%)

Yellow (84%)

Blue (0%)

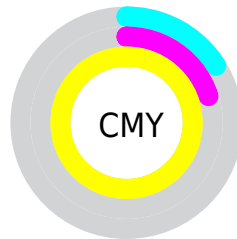


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0875, 57.0080, 8.4165 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 49.0875, 57.0080, 8.4165 by changing the saturation by 10% instead.


 49.0875, 57.0080,
8.4165


 49.0875, 57.0080,
8.4165


373.5979,
413.4793, 189.0182

 34.9037, 41.0117,
4.2710


 88.0213, 100.4769,
23.3305


 23.7549, 28.3282,
1.7752


 113.5021,
128.7182, 34.9361

 15.2756, 18.5732,
0.4115


 143.4792,
161.8099, 49.8655

 9.1006, 11.3623,
0.0000

 178.3181,
200.1365, 68.5372

 4.8645, 6.3111,
0.0000

 218.3840,
244.0824, 91.3698

 2.2019, 3.0351,
0.0000

 264.0424,

 0.7438, 1.1501,

294.0319, 118.7818

0.0000

315.6586,
350.3694, 151.1918

■ 0.0000, 0.0204,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0875, 57.0080,
8.4165

■ 49.0875, 57.0080,
8.4165

■ 49.0883, 57.0100,
8.4168

■ 49.4886, 57.5876,
9.2375

■ 50.0445, 58.2298,
10.8706

■ 50.8078, 58.9580,
13.5864

■ 51.8068, 59.7834,
17.5340

■ 53.0653, 60.7156,
22.8394

■ 54.6043, 61.7630,
29.6127

■ 56.4426, 62.9331,
37.9529

■ 58.5974, 64.2327,
47.9504

■ 61.0846, 65.6683,
59.6888

Harmonies

Analogous

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



66.2291, 57.0080, 9.6873



49.0875, 57.0080, 8.4165



36.2614, 57.0080, 14.7492

Triad

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



49.0875, 57.0080, 8.4165



33.0127, 57.0080, 140.5887



90.0813, 57.0080, 100.1809

Complementary

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



49.0875, 57.0080, 8.4165



12.2577, 5.0950, 63.9552

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.



77.2120, 57.0080, 163.3497



49.0875, 57.0080, 8.4165



43.6964, 57.0080, 193.8136

Square

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



49.0875, 57.0080, 8.4165



28.3182, 57.0080, 78.4066



59.6224, 57.0080, 203.7879



92.3498, 57.0080, 48.1800

Rectangle

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



49.0875, 57.0080, 8.4165



31.0021, 57.0080, 26.1318



59.6224, 57.0080, 203.7879



86.7424, 57.0080, 121.3869

Sweetspot

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



49.0888, 57.0107, 8.4177



83.8451, 93.5323, 56.0176



27.8129, 14.3291, 1.7258



17.6864, 19.8568, 10.8036



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.



49.0888, 57.0107, 8.4177



72.9620, 84.7040, 12.5040



31.9706, 52.1778, 8.3870



13.4156, 14.4055, 13.2342



29.6950, 34.5072, 5.0955



1.8082, 2.1156, 0.3130

Inverse Universe

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



12.2577, 5.0950, 63.9552



18.1952, 7.5104, 95.0984



16.6265, 7.1696, 64.1254



11.7933, 12.1100, 15.6534



7.4317, 3.1251, 38.6647



0.4667, 0.2253, 2.3382

Previews

White Background



This preview shows how the XYZ color 49.0875, 57.0080, 8.4165 looks on a white background.

Color Contrast Check

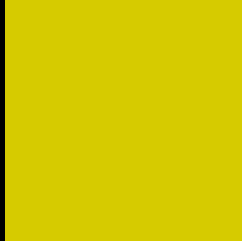
Large Text (above 18pt) WCAG AA × Fail

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 49.0875, 57.0080, 8.4165 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 49.0875, 57.0080, 8.4165

Background



This preview shows how black text looks on a background with the XYZ color 49.0875, 57.0080, 8.4165.

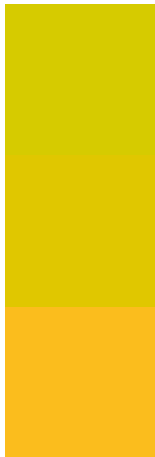


This preview shows how white text looks on a background with the XYZ color 49.0875, 57.0080,

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

49.0875, 57.0080, 8.4165

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

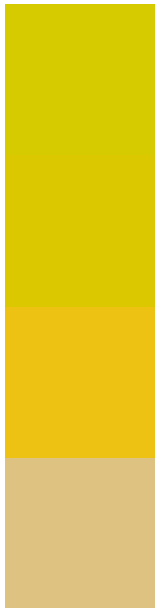
58.2030, 56.9931, 9.0955



Tritanopia

60.6556, 57.0379, 64.3124

Trichromacy



Original Color

49.0875, 57.0080, 8.4165

Protanomaly

50.1695, 56.5242, 8.2660

Deuteranomaly

54.6609, 56.8044, 8.6557

Tritanomaly

53.3784, 55.6981, 28.7064

Monochromacy



Original Color

49.0875, 57.0080, 8.4165

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.8140, 49.5572, 23.7792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0875, 57.0080, 8.4165 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, 203, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 203, 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, 203, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 203, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.0875, 57.0080, 8.4165 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, 203, 0) }
```


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

```
.border{ border-color:rgb(214, 203, 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, 203, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 203, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 203, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 203,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0875, 57.0080, 8.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 203, 0) }
```

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

```
.background{ background-color: rgb(214,  
203, 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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