

Converting Colors

XYZ(48.8258, 58.5728, 9.4350)

Have a look what the booklet for
XYZ(48.8258, 58.5728, 9.4350)
contains.

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Color

**XYZ(48.9857, 58.7212,
9.4620)**

Conversions

Conversions Part 1

Format	Color
Hex	D1D015
RGB	209, 208, 21
RGB Percent	82%, 82%, 8%
CMY	0.1804, 0.1843, 0.9176
CMYK	0.00, 0.00, 0.90, 0.18
HSL	60°, 82%, 45%
HSV	60°, 90%, 82%
XYZ	48.9857, 58.7212, 9.4620
YIQ	186.9810, 60.6230, -57.9450

Conversions

Conversions Part 2

Format	Color
R_{YB}	22, 209, 21
Decimal	13750293
CIE _{Lab}	81.14, -17.82, 78.89
CIE _{LCh}	81, 80.880, 102.728
Yxy	58.7212, 0.4181, 0.5012
Android (android.graphics.Color)	4291940373 (0xFFD1D015)
YUV	186.9810, -81.8286, 19.3107
Hunter-Lab	76.6298, -19.9957, 46.3199

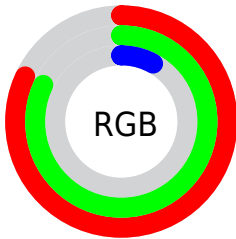
Details

The XYZ color **48.9857, 58.7212, 9.4620** is a light color, and the websafe version is hex **CCCC00**.

The color can be described as light washed yellow. A complement of this color would be **12.1052, 5.3372, 60.7132**, and the grayscale version is **47.6489, 50.1304, 54.5920**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **24.1333, 29.5952, 4.4405** is the 20% darker color. If you saturate the color by 10%, you get **48.8252, 58.6162, 8.7440**, and if you desaturate by 10%, it is **49.2949, 58.8902, 10.9514**.

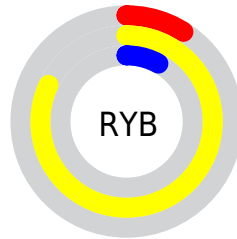
Distribution



Red (82%)

Green (82%)

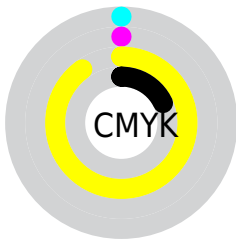
Blue (8%)



Red (9%)

Yellow (82%)

Blue (8%)

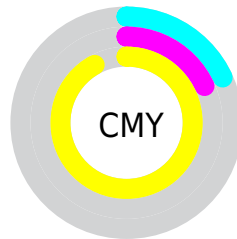


Cyan (0%)

Magenta (0%)

Yellow (90%)

Black (18%)



Cyan (18%)

Magenta (18%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9857, 58.7212, 9.4620 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 48.9857, 58.7212, 9.4620 by changing the saturation by 10% instead.

■ 48.9857, 58.7212,
9.4620

■ 48.9857, 58.7212,
9.4620

373.2039,
419.8679, 197.1312

■ 34.8226, 42.3887,
4.9428

■ 87.8711, 102.9723,
25.3703

■ 23.6921, 29.4058,
2.1556

■ 113.3241,
131.6598, 37.5966

■ 15.2289, 19.3880,
0.6486

■ 143.2711,
165.2344, 53.2289

■ 9.0676, 11.9510,
0.0000

■ 178.0775,
204.0805, 72.6859

■ 4.8427, 6.7103,
0.0000

■ 218.1086,
248.5825, 96.3861

■ 2.1891, 3.2816,
0.0000

■ 263.7298,

■ 0.7370, 1.2805,

299.1248, 124.7480

0.0000

315.3065,
356.0918, 158.1902

■ 0.0000, 0.1260,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.9857, 58.7212,
9.4620

■ 48.9857, 58.7212,
9.4620

■ 48.8252, 58.6162,
8.7440

■ 49.2949, 58.8902,
10.9514

■ 48.8245, 58.6156,
8.7406

■ 49.7975, 59.1344,
13.4651

■ 50.5215, 59.4671,
17.1447

■ 51.4895, 59.8975,
22.1088

■ 52.7211, 60.4334,
28.4612

■ 54.2341, 61.0818,
36.2953

■ 56.0447, 61.8494,
45.6964

■ 58.1679, 62.7419,
56.7432

■ 60.6175, 63.7651,
69.5093

Harmonies

Analogous

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



65.9773, 58.7212, 10.0039



48.9857, 58.7212, 9.4620



36.6176, 58.7212, 17.1768

Triad

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



48.9857, 58.7212, 9.4620



35.2654, 58.7212, 149.6328



92.7455, 58.7212, 95.5724

Complementary

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



48.9857, 58.7212, 9.4620



12.1052, 5.3372, 60.7132

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.



80.7607, 58.7212, 158.9756



48.9857, 58.7212, 9.4620



46.7497, 58.7212, 199.4507

Square

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



48.9857, 58.7212, 9.4620



29.8348, 58.7212, 86.5942



63.2463, 58.7212, 203.5368



93.6798, 58.7212, 45.6234

Rectangle

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



48.9857, 58.7212, 9.4620



31.7177, 58.7212, 30.1920



63.2463, 58.7212, 203.5368



89.7798, 58.7212, 116.4675

Sweetspot

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



48.9870, 58.7240, 9.4632



85.7629, 96.0996, 60.5669



26.7291, 14.1587, 2.1964



18.1613, 20.4861, 11.9497



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.



48.9870, 58.7240, 9.4632



76.5716, 91.9233, 13.7072



30.4261, 49.5161, 8.6642



12.7979, 13.7865, 12.5986



30.1065, 36.1459, 5.3901



1.6851, 2.0246, 0.3020

Inverse Universe

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



12.1052, 5.3372, 60.7132



18.0646, 7.2493, 95.0549



18.4431, 8.5768, 61.0045



11.1686, 11.4276, 14.8607



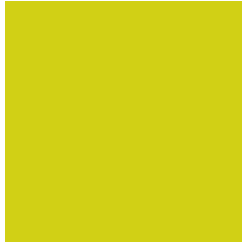
7.1055, 2.8577, 37.3696



0.3991, 0.1634, 2.0901

Previews

White Background



This preview shows how the XYZ color 48.9857, 58.7212, 9.4620 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 48.9857, 58.7212, 9.4620 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 48.9857, 58.7212, 9.4620

Background



This preview shows how black text looks on a background with the XYZ color 48.9857, 58.7212, 9.4620.

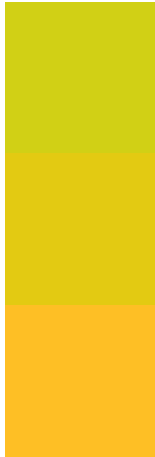


This preview shows how white text looks on a background with the XYZ color 48.9857, 58.7212,

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

48.9857, 58.7212, 9.4620

Protanopia

52.9083, 58.6156, 9.0976

Deuteranopia

59.8378, 58.4660, 9.8815



Tritanopia

61.0100, 58.4314, 68.3844

Trichromacy



Original Color

48.9857, 58.7212, 9.4620

Protanomaly

51.2256, 58.4484, 9.1979

Deuteranomaly

55.4735, 58.2086, 9.6079

Tritanomaly

53.9152, 57.2167, 33.4016

Monochromacy



Original Color

48.9857, 58.7212, 9.4620

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.8515, 52.1646, 27.7308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9857, 58.7212, 9.4620 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(209, 208, 21)` looks like.

```
.text, #text, p{  
    color:rgb(209, 208, 21)  
}
```

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(209, 208, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 208, 21) }
```

Border

The CSS property to change the border of an element to XYZ 48.9857, 58.7212, 9.4620 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(209, 208, 21) }
```


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

```
.border{ border-color:rgb(209, 208, 21) }
```

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

Here you see how a box with a 4 pixel rgb(209, 208, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 208, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 208, 21);  
box-shadow:4px 4px 4px 4px rgb(209, 208,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9857, 58.7212, 9.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 208, 21) }
```

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

```
.background{ background-color: rgb(209,  
208, 21) }
```

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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