

Converting Colors

XYZ(48.9691, 59.1278, 8.8319)

Have a look what the booklet for
XYZ(48.9691, 59.1278, 8.8319)
contains.

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Color

**XYZ(48.8129, 59.0108,
8.8175)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D100
RGB	208, 209, 0
RGB Percent	82%, 82%, 0%
CMY	0.1843, 0.1804, 0.9999
CMYK	0.00, 0.00, 1.00, 0.18
HSL	60°, 100%, 41%
HSV	60°, 100%, 82%
XYZ	48.8129, 59.0108, 8.8175
YIQ	184.8750, 66.4930, -65.2110

Conversions

Conversions Part 2

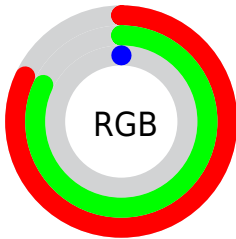
Format	Color
RYB	0, 209, 1
Decimal	13684992
CIELab	81.30, -18.98, 81.23
CIELCh	81, 83.414, 103.151
Yxy	59.0108, 0.4185, 0.5059
Android (android.graphics.Color)	4291875072 (0xFFD0D100)
YUV	184.8750, -91.1434, 20.2806
Hunter-Lab	76.8185, -21.0078, 46.9674

Details

The XYZ color **48.8129, 59.0108, 8.8175** 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 **11.5225, 4.6109, 60.6080**, and the grayscale version is **46.5126, 48.9349, 53.2901**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **24.1158, 29.8323, 4.4872** is the 20% darker color. If you saturate the color by 10%, you get **48.8141, 59.0135, 8.8180**, and if you desaturate by 10%, it is **48.9771, 59.0820, 9.5285**.

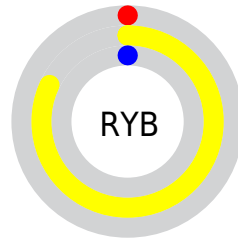
Distribution



Red (82%)

Green (82%)

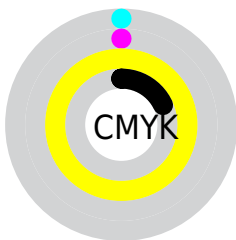
Blue (0%)



Red (0%)

Yellow (82%)

Blue (0%)

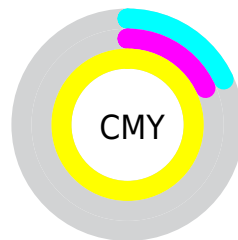


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (18%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8129, 59.0108, 8.8175 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 48.8129, 59.0108, 8.8175 by changing the saturation by 10% instead.


 48.8129, 59.0108,
8.8175


 48.8129, 59.0108,
8.8175


372.5345,
420.9419, 192.1782


 34.6850, 42.6218,
4.5272


 87.6159, 103.3934,
24.1183

 23.5857, 29.5885,
1.9188


 113.0217,
132.1557, 35.9657


 15.1497, 19.5265,
0.5046


 142.9176,
165.8113, 51.1694

 9.0115, 12.0513,
0.0000

 177.6688,
204.7446, 70.1476

 4.8058, 6.7786,
0.0000

 217.6407,
249.3399, 93.3191

 2.1674, 3.3240,
0.0000

 263.1987,

 0.7255, 1.3032,

299.9816, 121.1024

0.0000

314.7082,
357.0542, 153.9159

■ 0.0000, 0.1436,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8129, 59.0108,
8.8175

■ 48.8129, 59.0108,
8.8175

■ 48.8141, 59.0135,
8.8180

■ 48.9771, 59.0820,
9.5285

■ 49.2855, 59.2086,
11.0050

■ 49.7887, 59.4132,
13.5065

■ 50.5131, 59.7062,
17.1734

■ 51.4814, 60.0968,
22.1243

■ 52.7133, 60.5929,
28.4633

■ 54.2266, 61.2014,
36.2837

■ 56.0374, 61.9290,
45.6708

■ 58.1607, 62.7817,
56.7034

Harmonies

Analogous

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



66.3582, 59.0108, 9.2502



48.8129, 59.0108, 8.8175



36.1715, 59.0108, 16.6265

Triad

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



48.8129, 59.0108, 8.8175



35.0437, 59.0108, 154.6244



94.6023, 59.0108, 96.2296

Complementary

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



48.8129, 59.0108, 8.8175



11.5225, 4.6109, 60.6080

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.



82.2316, 59.0108, 162.6108



48.8129, 59.0108, 8.8175



46.9362, 59.0108, 206.5646

Square

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



48.8129, 59.0108, 8.8175



29.4032, 59.0108, 88.6202



64.0522, 59.0108, 210.0707



95.3964, 59.0108, 44.8195

Rectangle

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



48.8129, 59.0108, 8.8175



31.2140, 59.0108, 29.9584



64.0522, 59.0108, 210.0707



91.5593, 59.0108, 117.9894

Sweetspot

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



48.8142, 59.0136, 8.8187



84.9508, 95.9447, 56.4250



26.2965, 13.5567, 1.2315



17.9559, 20.4448, 10.9029



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.



48.8142, 59.0136, 8.8187



76.5497, 92.5479, 13.8289



28.5709, 48.5778, 7.8713



12.7976, 13.7946, 12.6002



30.0981, 36.3851, 5.4367



1.6848, 2.0354, 0.3041

Inverse Universe

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



11.5225, 4.6109, 60.6080



18.0654, 7.2279, 95.0507



17.2786, 7.5783, 60.8773



11.1689, 11.4204, 14.8593



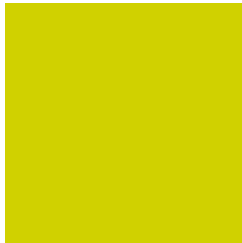
7.1060, 2.8436, 37.3668



0.3992, 0.1600, 2.0894

Previews

White Background



This preview shows how the XYZ color 48.8129, 59.0108, 8.8175 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 48.8129, 59.0108, 8.8175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

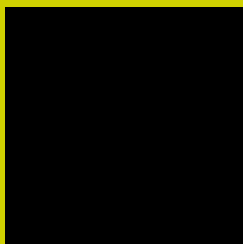
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.8129, 59.0108, 8.8175

Background



This preview shows how black text looks on a background with the XYZ color 48.8129, 59.0108, 8.8175.



This preview shows how white text looks on a background with the XYZ color 48.8129, 59.0108,

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

48.8129, 59.0108, 8.8175

Protanopia

53.1154, 58.7350, 8.5375

Deuteranopia

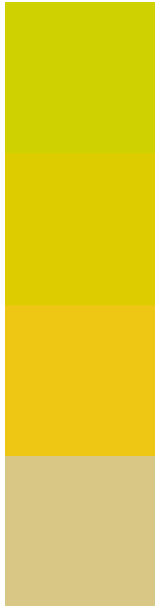
60.1315, 58.6259, 9.5132



Tritanopia

60.9246, 58.7166, 68.4440

Trichromacy



Original Color

48.8129, 59.0108, 8.8175

Protanomaly

51.6501, 59.0348, 8.6726

Deuteranomaly

55.5802, 58.6158, 9.0464

Tritanomaly

53.2723, 57.2920, 30.4410

Monochromacy



Original Color

48.8129, 59.0108, 8.8175

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.5541, 51.2290, 24.6795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8129, 59.0108, 8.8175 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(208, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 209, 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(208, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 209, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.8129, 59.0108, 8.8175 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(208, 209, 0) }
```


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

```
.border{ border-color:rgb(208, 209, 0) }
```

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

Here you see how a box with a 4 pixel rgb(208, 209, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 209,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8129, 59.0108, 8.8175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 209, 0) }
```

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

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