

Converting Colors

XYZ(47.3355, 58.2197, 9.1402)

Have a look what the booklet for
XYZ(47.3355, 58.2197, 9.1402)
contains.

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Color

**XYZ(47.2369, 58.1892,
9.1575)**

Conversions

Conversions Part 1

Format	Color
Hex	CAD10E
RGB	202, 209, 14
RGB Percent	79%, 82%, 5%
CMY	0.2078, 0.1804, 0.9450
CMYK	0.03, 0.00, 0.93, 0.18
HSL	62°, 87%, 44%
HSV	62°, 93%, 82%
XYZ	47.2369, 58.1892, 9.1575
YIQ	184.6770, 58.4230, -62.1290

Conversions

Conversions Part 2

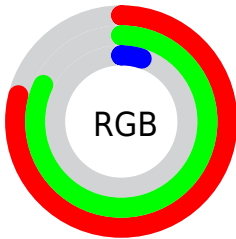
Format	Color
RYB	14, 209, 21
Decimal	13291790
CIELab	80.84, -21.38, 79.35
CIELCh	81, 82.176, 105.080
Yxy	58.1892, 0.4122, 0.5078
Android (android.graphics.Color)	4291481870 (0xFFCAD10E)
YUV	184.6770, -84.1438, 15.1923
Hunter-Lab	76.2818, -22.9586, 46.2796

Details

The XYZ color **47.2369, 58.1892, 9.1575** 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 **11.9765, 5.0781, 60.6742**, and the grayscale version is **46.3672, 48.7819, 53.1235**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **23.0490, 29.2823, 4.4372** is the 20% darker color. If you saturate the color by 10%, you get **47.0227, 58.0900, 8.7341**, and if you desaturate by 10%, it is **47.6647, 58.3860, 10.3415**.

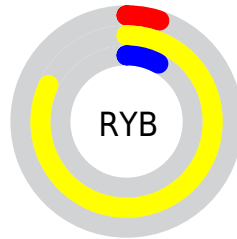
Distribution



Red (79%)

Green (82%)

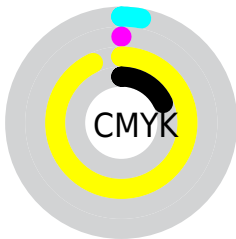
Blue (5%)



Red (5%)

Yellow (82%)

Blue (8%)

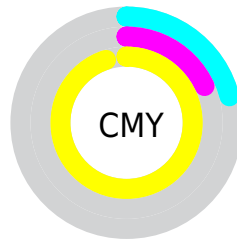


Cyan (3%)

Magenta (0%)

Yellow (93%)

Black (18%)



Cyan (21%)


Magenta (18%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2369, 58.1892, 9.1575 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 47.2369, 58.1892, 9.1575 by changing the saturation by 10% instead.


 47.2369, 58.1892,
9.1575


 47.2369, 58.1892,
9.1575


366.3925,
417.8906, 194.8097


 33.4317, 41.9608,
4.7458


 85.2837, 102.1983,
24.7808

 22.6182, 29.0706,
2.0428

 110.2561,
130.7478, 36.8296

 14.4310, 19.1342,
0.5814

 139.6815,
164.1731, 52.2612

 8.5047, 11.7673,
0.0000

 173.9254,
202.8586, 71.4941

 4.4741, 6.5854,
0.0000

 213.3531,
247.1887, 94.9468

 1.9737, 3.2042,
0.0000

 258.3299,

 0.6191, 1.2393,

297.5478, 123.0380

0.0000

309.2213,
354.3203, 156.1861

■ 0.0000, 0.0934,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2369, 58.1892,
9.1575

■ 47.2369, 58.1892,
9.1575

■ 47.0227, 58.0900,
8.7341

■ 47.6647, 58.3860,
10.3415

■ 48.2767, 58.6545,
12.4957

■ 49.1027, 59.0087,
15.7720

■ 50.1665, 59.4580,
20.2950

■ 51.4886, 60.0109,
26.1731

■ 53.0873, 60.6745,
33.5027

■ 54.9794, 61.4555,
42.3718

■ 57.1801, 62.3601,
52.8610

■ 59.7037, 63.3940,
65.0456

Harmonies

Analogous

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



64.1503, 58.1892, 9.1389



47.2369, 58.1892, 9.1575



35.2526, 58.1892, 17.5999

Triad

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



47.2369, 58.1892, 9.1575



35.3005, 58.1892, 155.3622



93.2538, 58.1892, 90.6239

Complementary

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



47.2369, 58.1892, 9.1575



11.9765, 5.0781, 60.6742

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.



81.8097, 58.1892, 155.0260



47.2369, 58.1892, 9.1575



47.3164, 58.1892, 203.5505

Square

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



47.2369, 58.1892, 9.1575



29.3836, 58.1892, 90.9450



64.2478, 58.1892, 203.4031



93.2203, 58.1892, 42.0038

Rectangle

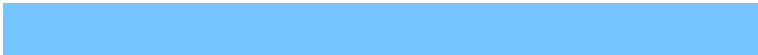
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2369, 58.1892, 9.1575



30.6586, 58.1892, 31.5513



64.2478, 58.1892, 203.4031



90.5327, 58.1892, 111.5120

Sweetspot

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



47.2382, 58.1919, 9.1587



84.6723, 95.7406, 59.1450



26.6349, 14.1068, 1.7353



17.8559, 20.3819, 11.4113



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.



47.2382, 58.1919, 9.1587



73.7090, 91.0834, 13.6960



28.7086, 48.6396, 8.2915



12.7597, 13.7751, 12.5984



29.0098, 35.8240, 5.3858



1.6354, 2.0100, 0.3018

Inverse Universe

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



11.9765, 5.0781, 60.6742



18.1647, 7.2791, 95.0554



19.1397, 8.7709, 61.0094



11.2024, 11.4376, 14.8609



7.1716, 2.8774, 37.3699



0.4151, 0.1682, 2.0901

Previews

White Background



This preview shows how the XYZ color 47.2369, 58.1892, 9.1575 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 47.2369, 58.1892, 9.1575 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 47.2369, 58.1892, 9.1575

Background



This preview shows how black text looks on a background with the XYZ color 47.2369, 58.1892, 9.1575.

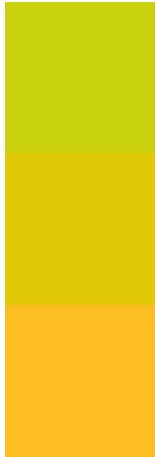


This preview shows how white text looks on a background with the XYZ color 47.2369, 58.1892,

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

47.2369, 58.1892, 9.1575

Protanopia

52.2945, 57.9596, 8.6608

Deuteranopia

59.2248, 57.8309, 9.6311



Tritanopia

59.2435, 57.8356, 69.0137

Trichromacy



Original Color

47.2369, 58.1892, 9.1575

Protanomaly

50.2629, 57.9594, 8.8253

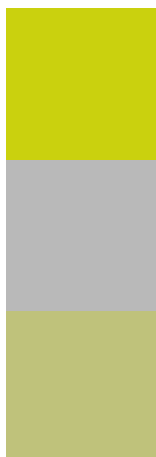
Deuteranomaly

54.0958, 57.5041, 9.2852

Tritanomaly

51.9476, 56.5598, 32.6053

Monochromacy



Original Color

47.2369, 58.1892, 9.1575

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.3528, 51.0900, 26.2626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2369, 58.1892, 9.1575 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(202, 209, 14)` looks like.

```
.text, #text, p{  
    color:rgb(202, 209, 14)  
}
```

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(202, 209, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 209, 14) }
```

Border

The CSS property to change the border of an element to XYZ 47.2369, 58.1892, 9.1575 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(202, 209, 14) }
```


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

```
.border{ border-color:rgb(202, 209, 14) }
```

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

Here you see how a box with a 4 pixel rgb(202, 209, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 209, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 209, 14);  
box-shadow:4px 4px 4px 4px rgb(202, 209,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2369, 58.1892, 9.1575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 209, 14) }
```

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

```
.background{ background-color: rgb(202,  
209, 14) }
```

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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