

Converting Colors

XYZ(49.2217, 54.2875, 10.4691)

Have a look what the booklet for
XYZ(49.2217, 54.2875, 10.4691)
contains.

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Color

**XYZ(49.2217, 54.2875,
10.4691)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC32E
RGB	219, 195, 46
RGB Percent	86%, 76%, 18%
CMY	0.1412, 0.2353, 0.8196
CMYK	0.00, 0.11, 0.79, 0.14
HSL	52°, 71%, 52%
HSV	52°, 79%, 86%
XYZ	49.2217, 54.2875, 10.4691
YIQ	185.1900, 62.1330, -41.2510

Conversions

Conversions Part 2

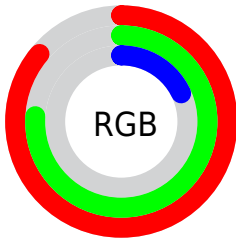
Format	Color
RYB	74, 219, 46
Decimal	14402350
CIELab	78.63, -6.36, 71.53
CIELCh	79, 71.811, 95.083
Yxy	54.2875, 0.4319, 0.4763
Android (android.graphics.Color)	4292592430 (0xFFDBC32E)
YUV	185.1900, -68.6207, 29.6514
Hunter-Lab	73.6801, -9.6938, 43.1516

Details

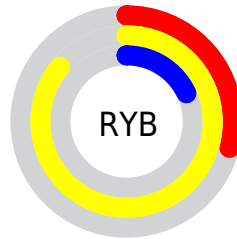
The XYZ color **49.2217, 54.2875, 10.4691** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **16.1033, 10.0758, 68.1136**, and the grayscale version is **46.5674, 48.9926, 53.3529**.

A 20% lighter version of the original color is **78.2870, 91.2743, 26.8561**, and **24.1702, 26.8196, 3.9028** is the 20% darker color. If you saturate the color by 10%, you get **48.2219, 52.8117, 8.5221**, and if you desaturate by 10%, it is **50.4578, 55.8841, 13.5812**.

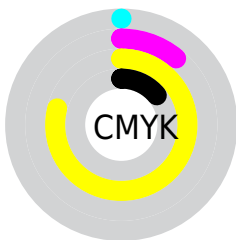
Distribution



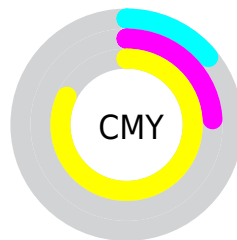
- Red (86%)
- Green (76%)
- Blue (18%)



- Red (29%)
- Yellow (86%)
- Blue (18%)



- Cyan (0%)
- Magenta (11%)
- Yellow (79%)
- Black (14%)





- Cyan (14%)
- Magenta (24%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2217, 54.2875, 10.4691 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 49.2217, 54.2875, 10.4691 by changing the saturation by 10% instead.


 49.2217, 54.2875,
10.4691


 49.2217, 54.2875,
10.4691


374.1169,
403.2054, 204.5931


 35.0106, 38.8316,
5.6014


 88.2194, 96.4962,
27.2957


 23.8376, 26.6287,
2.5394


 113.7367,
124.0178, 40.0916

 15.3373, 17.2946,
0.8609


 143.7535,
156.3301, 56.3674

 9.1443, 10.4447,
0.0000

 178.6351,
193.8174, 76.5416

 4.8933, 5.6948,
0.0000

 218.7469,
236.8643, 101.0327

 2.2189, 2.6604,
0.0000

 264.4543,

 0.7527, 0.9571,

285.8549, 130.2593

0.0000

316.1225,
341.1738, 164.6399

■ 0.0000, 0.0000,
0.0000

■ 49.2217, 54.2875,
10.4691

■ 49.2217, 54.2875,
10.4691

■ 48.2219, 52.8117,
8.5221

■ 50.4578, 55.8841,
13.5812

■ 47.4081, 51.4303,
7.4917

■ 51.9560, 57.6058,
18.0105

■ 47.3302, 51.2939,
7.4061

■ 53.7426, 59.4653,
23.8892

■ 55.8395, 61.4714,
31.3328

■ 58.2666, 63.6322,
40.4451

■ 61.0420, 65.9552,
51.3211

■ 64.1823, 68.4470,
64.0484

■ 67.7033, 71.1141,
78.7090

■ 71.6195, 73.9625,
95.3797

Harmonies

Analogous

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



63.9534, 54.2875, 12.8205



49.2217, 54.2875, 10.4691



37.4663, 54.2875, 15.4822

Triad

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



49.2217, 54.2875, 10.4691



32.3556, 54.2875, 116.2755



80.4713, 54.2875, 98.4682

Complementary

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



49.2217, 54.2875, 10.4691



16.1033, 10.0758, 68.1136

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.



68.9010, 54.2875, 148.7475



49.2217, 54.2875, 10.4691



40.9473, 54.2875, 161.9106

Square

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



49.2217, 54.2875, 10.4691



28.9350, 54.2875, 66.2977



54.0509, 54.2875, 175.9184



83.7832, 54.2875, 52.4613

Rectangle

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



49.2217, 54.2875, 10.4691



32.3226, 54.2875, 24.7443



54.0509, 54.2875, 175.9184



77.3268, 54.2875, 115.9863

Sweetspot

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



49.2229, 54.2901, 10.4702



84.0668, 91.3693, 64.1265



31.3588, 17.4818, 7.8449



17.7002, 19.3082, 12.5844



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.



49.2229, 54.2901, 10.4702



67.2733, 73.2130, 10.9582



40.0143, 58.1751, 11.7054



14.0002, 14.9398, 13.8714



28.1250, 30.5356, 4.4116



1.8654, 2.0649, 0.3002

Inverse Universe

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



16.1033, 10.0758, 68.1136



19.2030, 9.2851, 95.3878



19.7733, 10.1672, 67.9378



12.4836, 12.9070, 16.4855



7.9093, 3.6880, 40.0334



0.5603, 0.3347, 2.6095

Previews

White Background



This preview shows how the XYZ color 49.2217, 54.2875, 10.4691 looks on a white background.

Color Contrast Check

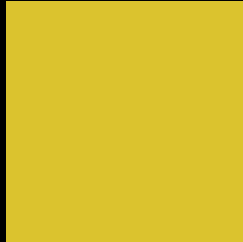
Large Text (above 18pt) WCAG AA × Fail

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 49.2217, 54.2875, 10.4691 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 49.2217, 54.2875, 10.4691

Background



This preview shows how black text looks on a background with the XYZ color 49.2217, 54.2875, 10.4691.



This preview shows how white text looks on a background with the XYZ color 49.2217, 54.2875,

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

49.2217, 54.2875, 10.4691

Protanopia

49.2217, 54.2875, 10.4691

Deuteranopia

55.6027, 54.3494, 10.6919



Tritanopia

59.3249, 54.2644, 59.5719

Trichromacy



Original Color

49.2217, 54.2875, 10.4691

Protanomaly

49.2217, 54.2875, 10.4691

Deuteranomaly

53.3440, 54.4498, 10.6041

Tritanomaly

53.9421, 53.6325, 32.7084

Monochromacy



Original Color

49.2217, 54.2875, 10.4691

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5266, 49.9867, 29.8032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2217, 54.2875, 10.4691 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(219, 195, 46)` looks like.

```
.text, #text, p{  
    color:rgb(219, 195, 46)  
}
```

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(219, 195, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 195, 46) }
```

Border

The CSS property to change the border of an element to XYZ 49.2217, 54.2875, 10.4691 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(219, 195, 46) }
```


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

```
.border{ border-color:rgb(219, 195, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 195, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 195, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 195, 46);  
box-shadow:4px 4px 4px 4px rgb(219, 195,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2217, 54.2875, 10.4691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 195, 46) }
```

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

```
.background{ background-color: rgb(219,  
195, 46) }
```

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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