

Converting Colors

XYZ(49.1462, 54.6130, 8.9942)

Have a look what the booklet for
XYZ(49.1462, 54.6130, 8.9942)
contains.

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Color

**XYZ(49.1512, 54.6191,
8.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC41B
RGB	219, 196, 27
RGB Percent	86%, 77%, 11%
CMY	0.1412, 0.2313, 0.8941
CMYK	0.00, 0.10, 0.88, 0.14
HSL	53°, 78%, 48%
HSV	53°, 88%, 86%
XYZ	49.1512, 54.6191, 8.9889
YIQ	183.6110, 67.9570, -47.6830

Conversions

Conversions Part 2

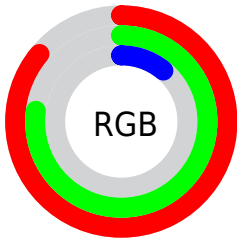
Format	Color
RYB	53, 219, 27
Decimal	14402587
CIELab	78.82, -7.38, 76.40
CIELCh	79, 76.756, 95.519
Yxy	54.6191, 0.4359, 0.4844
Android (android.graphics.Color)	4292592667 (0xFFDBC41B)
YUV	183.6110, -77.2092, 31.0362
Hunter-Lab	73.9047, -10.6198, 44.5220

Details

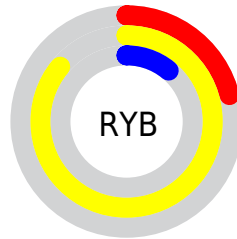
The XYZ color **49.1512, 54.6191, 8.9889** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **14.3791, 7.6291, 67.7320**, and the grayscale version is **45.7332, 48.1149, 52.3972**.

A 20% lighter version of the original color is **78.0262, 91.6711, 23.9378**, and **24.1205, 27.0158, 3.9433** is the 20% darker color. If you saturate the color by 10%, you get **48.3960, 53.3807, 7.8995**, and if you desaturate by 10%, it is **50.1038, 55.9572, 11.0559**.

Distribution



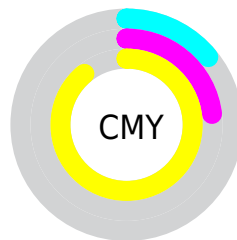
- Red (86%)
- Green (77%)
- Blue (11%)



- Red (21%)
- Yellow (86%)
- Blue (11%)



- Cyan (0%)
- Magenta (10%)
- Yellow (88%)
- Black (14%)



- Cyan (14%)
- Magenta (23%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1512, 54.6191, 8.9889 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 49.1512, 54.6191, 8.9889 by changing the saturation by 10% instead.

■ 49.1512, 54.6191,
8.9889

■ 49.1512, 54.6191,
8.9889

373.8443,
404.4664, 193.5101

■ 34.9545, 39.0968,
4.6372

■ 88.1153, 96.9827,
24.4529

■ 23.7942, 26.8351,
1.9810

■ 113.6135,
124.5927, 36.4023

■ 15.3049, 17.4494,
0.5436

■ 143.6094,
157.0009, 51.7213

■ 9.1214, 10.5554,
0.0000

■ 178.4686,
194.5915, 70.8285

■ 4.8782, 5.7687,
0.0000

■ 218.5563,
237.7490, 94.1425

■ 2.2100, 2.7050,
0.0000

■ 264.2380,

■ 0.7480, 0.9797,

286.8577, 122.0817

0.0000

315.8788,
342.3020, 155.0647

■ 0.0000, 0.0000,
0.0000

■ 49.1512, 54.6191,
8.9889

■ 49.1512, 54.6191,
8.9889

■ 48.3960, 53.3807,
7.8995

■ 50.1038, 55.9572,
11.0559

■ 48.2326, 53.0988,
7.7070

■ 51.2898, 57.4032,
14.3061

■ 52.7392, 58.9712,
18.8917

■ 54.4765, 60.6712,
24.9418

■ 56.5234, 62.5120,
32.5701

■ 58.8994, 64.5013,
41.8788

■ 61.6223, 66.6464,
52.9620

■ 64.7087, 68.9540,
65.9065

■ 68.1740, 71.4304,
80.7935

Harmonies

Analogous

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



65.0014, 54.6191, 11.1715



49.1512, 54.6191, 8.9889



36.7080, 54.6191, 14.0279

Triad

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



49.1512, 54.6191, 8.9889



31.5617, 54.6191, 122.6170



83.3412, 54.6191, 101.3725

Complementary

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



49.1512, 54.6191, 8.9889



14.3791, 7.6291, 67.7320

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.



70.8276, 54.6191, 157.0192



49.1512, 54.6191, 8.9889



40.7126, 54.6191, 172.9179

Square

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



49.1512, 54.6191, 8.9889



27.9043, 54.6191, 67.8968



54.7781, 54.6191, 187.8790



86.8072, 54.6191, 51.7727

Rectangle

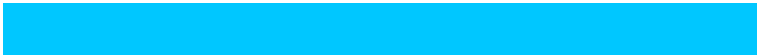
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1512, 54.6191, 8.9889



31.3439, 54.6191, 23.5373



54.7781, 54.6191, 187.8790



79.9483, 54.6191, 120.6130

Sweetspot

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



49.1524, 54.6217, 8.9900



83.6718, 91.4791, 61.2208



30.2390, 16.0978, 4.8346



17.6415, 19.3627, 12.0347



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.



49.1524, 54.6217, 8.9900



68.0195, 74.8191, 10.8565



37.8515, 57.0941, 10.0628



14.0222, 14.9837, 13.8787



28.6534, 31.5924, 4.5877



1.8947, 2.1234, 0.3100

Inverse Universe

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



14.3791, 7.6291, 67.7320



18.5280, 8.1761, 95.2093



18.1515, 8.4626, 67.6941



12.4637, 12.8671, 16.4788



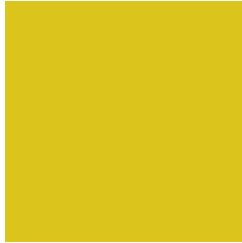
7.8455, 3.5604, 40.0121



0.5508, 0.3158, 2.6064

Previews

White Background



This preview shows how the XYZ color 49.1512, 54.6191, 8.9889 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 49.1512, 54.6191, 8.9889 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 49.1512, 54.6191, 8.9889

Background



This preview shows how black text looks on a background with the XYZ color 49.1512, 54.6191, 8.9889.



This preview shows how white text looks on a background with the XYZ color 49.1512, 54.6191,

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

49.1512, 54.6191, 8.9889

Protanopia

49.4530, 54.7746, 9.0030

Deuteranopia

55.6734, 54.4181, 9.2385



Tritanopia

59.3249, 54.2644, 59.5719

Trichromacy



Original Color

49.1512, 54.6191, 8.9889

Protanomaly

49.4530, 54.7746, 9.0030

Deuteranomaly

53.0642, 54.3379, 9.1303

Tritanomaly

53.5075, 53.4587, 30.4201

Monochromacy



Original Color

49.1512, 54.6191, 8.9889

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.8399, 49.3691, 27.2445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1512, 54.6191, 8.9889 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, 196, 27)` looks like.

```
.text, #text, p{  
    color:rgb(219, 196, 27)  
}
```

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, 196, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 196, 27) }
```

Border

The CSS property to change the border of an element to XYZ 49.1512, 54.6191, 8.9889 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, 196, 27) }
```


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

```
.border{ border-color:rgb(219, 196, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 196, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 196, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 196, 27);  
box-shadow:4px 4px 4px 4px rgb(219, 196,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1512, 54.6191, 8.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 196, 27) }
```

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

```
.background{ background-color: rgb(219,  
196, 27) }
```

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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