

# Converting Colors

XYZ(49.2306, 59.6116, 11.3737)

Have a look what the booklet for  
XYZ(49.2306, 59.6116, 11.3737)  
contains.

<b>XYZ(49.2524, 59.5480, 11.3807)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(49.2524, 59.5480,  
11.3807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFD22D
RGB	207, 210, 45
RGB Percent	81%, 82%, 18%
CMY	0.1882, 0.1764, 0.8235
CMYK	0.01, 0.00, 0.79, 0.18
HSL	61°, 65%, 50%
HSV	61°, 79%, 82%
XYZ	49.2524, 59.5480, 11.3807
YIQ	190.2930, 51.1770, -51.9510

# Conversions

## Conversions Part 2

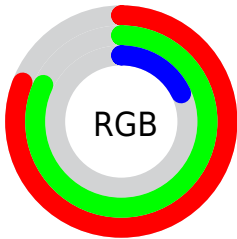
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 210, 48
Decimal	13619757
CIE <sub>Lab</sub>	81.59, -19.05, 74.05
CIE <sub>LCh</sub>	82, 76.462, 104.426
Yxy	59.5480, 0.4098, 0.4955
Android (android.graphics.Color)	4291809837 (0xFFCFD22D)
YUV	190.2930, -71.6294, 14.6520
Hunter-Lab	77.1674, -21.1145, 45.2730

# Details

The XYZ color **49.2524, 59.5480, 11.3807** 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 **13.7918, 7.1595, 61.6314**, and the grayscale version is **49.4940, 52.0715, 56.7059**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **24.2829, 30.1665, 4.5429** is the 20% darker color. If you saturate the color by 10%, you get **48.8381, 59.3722, 9.7505**, and if you desaturate by 10%, it is **49.8706, 59.8099, 14.0716**.

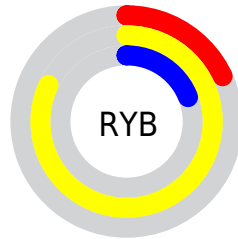
# Distribution



Red (81%)

Green (82%)

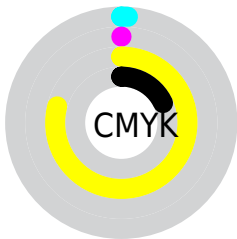
Blue (18%)



Red (18%)

Yellow (82%)

Blue (19%)

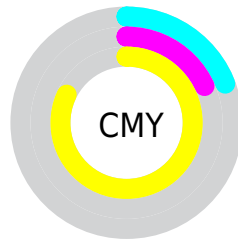


Cyan (1%)

Magenta (0%)

Yellow (79%)

Black (18%)



Cyan (19%)

Magenta (18%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2524, 59.5480, 11.3807 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 49.2524, 59.5480, 11.3807 by changing the saturation by 10% instead.




 49.2524, 59.5480,  
11.3807


 49.2524, 59.5480,  
11.3807


374.2356,  
422.9297, 211.0914


 35.0351, 43.0544,  
6.2061


 88.2647, 104.1737,  
29.0094


 23.8566, 29.9278,  
2.9000


 113.7904,  
133.0746, 42.3005

 15.3514, 19.7838,  
1.0438


 143.8162,  
166.8801, 59.1343

 9.1543, 12.2380,  
0.0000

 178.7076,  
205.9745, 79.9293

 4.8999, 6.9060,  
0.0000

 218.8299,  
250.7423, 105.1039

 2.2228, 3.4034,  
0.0000

 264.5484,

 0.7547, 1.3458,

301.5678, 135.0768

0.0000

316.2285,  
358.8355, 170.2664

■ 0.0000, 0.1762,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 49.2524, 59.5480,  
11.3807

■ 49.2524, 59.5480,  
11.3807

■ 48.8381, 59.3722,  
9.7505

■ 49.8706, 59.8099,  
14.0716

■ 48.5831, 59.2579,  
8.9637

■ 50.7149, 60.1600,  
17.9578

■ 48.5514, 59.2434,  
8.8762

■ 51.8091, 60.6101,  
23.1583

■ 53.1728, 61.1680,  
29.7765

■ 54.8236, 61.8408,  
37.9056

■ 56.7778, 62.6350,  
47.6309

■ 59.0504, 63.5566,  
59.0314

■ 61.6553, 64.6111,  
72.1806

■ 64.6057, 65.8039,  
87.1480

# Harmonies

## Analogous

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



65.2958, 59.5480, 11.5250



49.2524, 59.5480, 11.3807



37.6266, 59.5480, 19.9825

# Triad

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



49.2524, 59.5480, 11.3807



37.2946, 59.5480, 148.4787



91.8387, 59.5480, 91.5820

# Complementary

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



49.2524, 59.5480, 11.3807



13.7918, 7.1595, 61.6314

# 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.



81.0683, 59.5480, 150.6645



49.2524, 59.5480, 11.3807



48.7101, 59.5480, 192.6939

# Square

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



49.2524, 59.5480, 11.3807



31.6612, 59.5480, 89.4459



64.6412, 59.5480, 193.6427



92.0598, 59.5480, 45.2155



# Rectangle

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



49.2524, 59.5480, 11.3807



33.0738, 59.5480, 33.6768



64.6412, 59.5480, 193.6427



89.2527, 59.5480, 110.9681

# Sweetspot

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



49.2538, 59.5508, 11.3819



86.3061, 96.4552, 64.9901



28.1008, 15.9861, 4.0880



18.2486, 20.5541, 12.7960



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.



49.2538, 59.5508, 11.3819



75.5000, 91.9965, 14.2411



31.9437, 50.6271, 10.5718



12.7813, 13.7862, 12.5994



29.6238, 36.1406, 5.4145



1.6633, 2.0243, 0.3031



# Inverse Universe

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



13.7918, 7.1595, 61.6314



18.5069, 7.7154, 95.1216



21.8176, 11.2969, 62.0070



11.1833, 11.4278, 14.8600



7.1343, 2.8581, 37.3681



0.4061, 0.1635, 2.0897



# Previews

## White Background



This preview shows how the XYZ color 49.2524, 59.5480, 11.3807 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 49.2524, 59.5480, 11.3807 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 49.2524, 59.5480, 11.3807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.2524, 59.5480, 11.3807.



This preview shows how white text looks on a background with the XYZ color 49.2524, 59.5480,



# 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

49.2524, 59.5480, 11.3807

### Protanopia

53.7869, 59.3803, 10.9122

### Deuteranopia

60.3885, 59.0364, 11.7024



## Tritanopia

61.3166, 59.5552, 69.8916

# Trichromacy



## Original Color

49.2524, 59.5480, 11.3807

## Protanomaly

52.0411, 59.5401, 11.1324

## Deuteranomaly

55.9460, 59.0904, 11.5889

## Tritanomaly

54.7915, 58.6066, 37.7025

# Monochromacy



## Original Color

49.2524, 59.5480, 11.3807

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

47.2466, 53.4744, 31.4983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2524, 59.5480, 11.3807 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(207, 210, 45)` looks like.

```
.text, #text, p{  
    color:rgb(207, 210, 45)  
}
```

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(207, 210, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 210, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2524, 59.5480, 11.3807 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(207, 210, 45) }
```



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

```
.border{ border-color:rgb(207, 210, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 210, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 210, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 210, 45);  
box-shadow:4px 4px 4px 4px rgb(207, 210,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2524, 59.5480, 11.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 210, 45) }
```

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

```
.background{ background-color: rgb(207,  
210, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor