

Converting Colors

XYZ(49.6755, 60.9577, 9.8375)

Have a look what the booklet for
XYZ(49.6755, 60.9577, 9.8375)
contains.

XYZ(49.6617, 60.9080, 9.8484)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6617, 60.9080,
9.8484)**

Conversions

Conversions Part 1

Format	Color
Hex	CFD515
RGB	207, 213, 21
RGB Percent	81%, 84%, 8%
CMY	0.1882, 0.1647, 0.9176
CMYK	0.03, 0.00, 0.90, 0.16
HSL	62°, 82%, 46%
HSV	62°, 90%, 84%
XYZ	49.6617, 60.9080, 9.8484
YIQ	189.3180, 58.0560, -60.9840

Conversions

Conversions Part 2

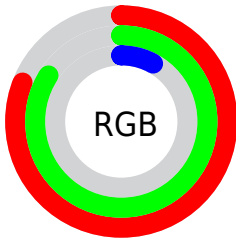
Format	Color
RYB	21, 213, 27
Decimal	13620501
CIELab	82.33, -21.12, 79.76
CIElCh	82, 82.505, 104.831
Yxy	60.9080, 0.4124, 0.5058
Android (android.graphics.Color)	4291810581 (0xFFCFD515)
YUV	189.3180, -82.9808, 15.5071
Hunter-Lab	78.0436, -22.9908, 47.1486

Details

The XYZ color **49.6617, 60.9080, 9.8484** 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 **12.7320, 5.5746, 63.3595**, and the grayscale version is **48.9917, 51.5431, 56.1305**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **24.6109, 31.0922, 4.7043** is the 20% darker color. If you saturate the color by 10%, you get **49.3443, 60.7621, 9.1275**, and if you desaturate by 10%, it is **50.1378, 61.1223, 11.3755**.

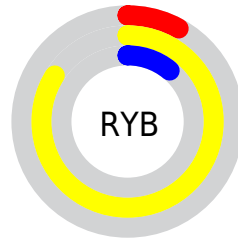
Distribution



Red (81%)

Green (84%)

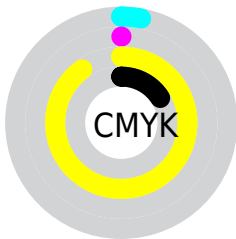
Blue (8%)



Red (8%)

Yellow (84%)

Blue (11%)

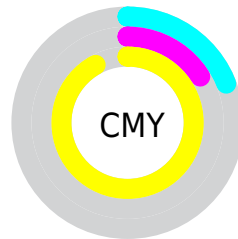


Cyan (3%)

Magenta (0%)

Yellow (90%)

Black (16%)



Cyan (19%)


Magenta (16%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6617, 60.9080, 9.8484 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 49.6617, 60.9080, 9.8484 by changing the saturation by 10% instead.


 49.6617, 60.9080,
9.8484


 49.6617, 60.9080,
9.8484


375.8154,
427.9366, 200.0320


 35.3614, 44.1509,
5.1943


 88.8683, 106.1457,
26.1133

 24.1092, 30.7892,
2.3010


 114.5052,
135.3951, 38.5612

 15.5398, 20.4384,
0.7318


 144.6517,
169.5775, 54.4440

 9.2879, 12.7141,
0.0000

 179.6732,
209.0771, 74.1804

 4.9880, 7.2320,
0.0000

 219.9349,
254.2785, 98.1888

 2.2749, 3.6076,
0.0000

 265.8023,

 0.7818, 1.4566,

305.5659, 126.8879

0.0000

317.6407,
363.3238, 160.6961

■ 0.0000, 0.2579,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.6617, 60.9080,
9.8484

■ 49.6617, 60.9080,
9.8484

■ 49.3443, 60.7621,
9.1275

■ 50.1378, 61.1223,
11.3755

■ 50.8161, 61.4152,
13.9695

■ 51.7261, 61.8010,
17.7796

■ 52.8915, 62.2890,
22.9303

■ 54.3330, 62.8875,
29.5310

■ 56.0693, 63.6040,
37.6795

■ 58.1172, 64.4453,
47.4654

■ 60.4926, 65.4176,
58.9713

■ 63.2101, 66.5269,
72.2742

Harmonies

Analogous

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



67.1961, 60.9080, 9.8900



49.6617, 60.9080, 9.8484



37.1777, 60.9080, 18.6247

Triad

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



49.6617, 60.9080, 9.8484



37.0726, 60.9080, 160.6792



97.0356, 60.9080, 95.0179

Complementary

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



49.6617, 60.9080, 9.8484



12.7320, 5.5746, 63.3595

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.



85.1470, 60.9080, 161.4106



49.6617, 60.9080, 9.8484



49.4876, 60.9080, 210.5336

Square

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



49.6617, 60.9080, 9.8484



30.9738, 60.9080, 94.3169



66.9831, 60.9080, 210.8538



97.1086, 60.9080, 44.4943

Rectangle

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



49.6617, 60.9080, 9.8484



32.3675, 60.9080, 33.0748



66.9831, 60.9080, 210.8538



94.1965, 60.9080, 116.6078

Sweetspot

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



49.6631, 60.9108, 9.8496



85.0909, 95.9253, 60.5687



27.9088, 14.8633, 2.1082



17.9994, 20.4441, 11.9501



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.



49.6631, 60.9108, 9.8496



74.1256, 91.2982, 13.7155



30.8460, 51.2103, 8.9690



13.4326, 14.4992, 13.2514



30.1569, 37.1228, 5.5760



1.8312, 2.2454, 0.3369

Inverse Universe

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



12.7320, 5.5746, 63.3595



18.1499, 7.2715, 95.0547



20.0543, 9.3494, 63.7022



11.7782, 12.0270, 15.6382



7.4033, 2.9690, 38.6360



0.4595, 0.1857, 2.3309

Previews

White Background



This preview shows how the XYZ color 49.6617, 60.9080, 9.8484 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 49.6617, 60.9080, 9.8484 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 49.6617, 60.9080, 9.8484

Background



This preview shows how black text looks on a background with the XYZ color 49.6617, 60.9080, 9.8484.



This preview shows how white text looks on a background with the XYZ color 49.6617, 60.9080,

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

49.6617, 60.9080, 9.8484

Protanopia

54.8955, 60.6952, 9.3943

Deuteranopia

61.7682, 60.6955, 13.7700



Tritanopia

62.1505, 60.6154, 72.0426

Trichromacy



Original Color

49.6617, 60.9080, 9.8484

Protanomaly

52.7976, 60.6884, 9.5474

Deuteranomaly

56.9561, 60.6485, 11.7220

Tritanomaly

54.7089, 59.3244, 34.9528

Monochromacy



Original Color

49.6617, 60.9080, 9.8484

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.8553, 53.6824, 28.3143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6617, 60.9080, 9.8484 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, 213, 21)` looks like.

```
.text, #text, p{  
    color:rgb(207, 213, 21)  
}
```

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, 213, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 213, 21) }
```

Border

The CSS property to change the border of an element to XYZ 49.6617, 60.9080, 9.8484 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, 213, 21) }
```


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

```
.border{ border-color:rgb(207, 213, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 213, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 213, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 213, 21);  
box-shadow:4px 4px 4px 4px rgb(207, 213,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6617, 60.9080, 9.8484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 213, 21) }
```

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

```
.background{ background-color: rgb(207,  
213, 21) }
```

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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