

# Converting Colors

XYZ(48.7165, 55.0645, 8.0609)

Have a look what the booklet for  
XYZ(48.7165, 55.0645, 8.0609)  
contains.

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# Color

**XYZ(48.8094, 55.1399,  
8.0705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9C600
RGB	217, 198, 0
RGB Percent	85%, 78%, 0%
CMY	0.1490, 0.2235, 0.9999
CMYK	0.00, 0.09, 1.00, 0.15
HSL	55°, 100%, 43%
HSV	55°, 100%, 85%
XYZ	48.8094, 55.1399, 8.0705
YIQ	181.1090, 74.8820, -57.5500

# Conversions

## Conversions Part 2

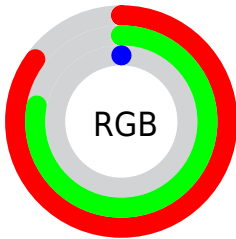
Format	Color
R <sub>Y</sub> B	21, 217, 0
Decimal	14272000
CIE Lab	79.12, -9.61, 79.99
CIE LCh	79, 80.566, 96.851
Yxy	55.1399, 0.4357, 0.4922
Android (android.graphics.Color)	4292462080 (0xFFD9C600)
YUV	181.1090, -89.2867, 31.4764
Hunter-Lab	74.2562, -12.6185, 45.5355

# Details

The XYZ color **48.8094, 55.1399, 8.0705** 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 **12.7577, 5.4761, 66.0298**, and the grayscale version is **44.4224, 46.7358, 50.8953**.

A 20% lighter version of the original color is **78.2820, 92.7837, 22.1707**, and **24.0300, 27.4189, 4.0259** is the 20% darker color. If you saturate the color by 10%, you get **48.8101, 55.1416, 8.0708**, and if you desaturate by 10%, it is **49.3896, 56.0732, 8.9652**.

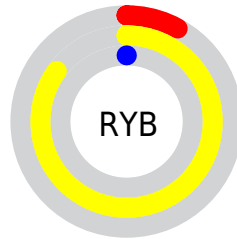
# Distribution



Red (85%)

Green (78%)

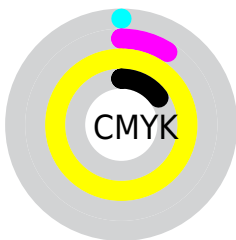
Blue (0%)



Red (8%)

Yellow (85%)

Blue (0%)

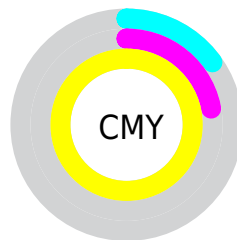


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (22%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8094, 55.1399, 8.0705 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 48.8094, 55.1399, 8.0705 by changing the saturation by 10% instead.





 48.8094, 55.1399,  
8.0705


 48.8094, 55.1399,  
8.0705


372.5209,  
406.4420, 186.2391


 34.6822, 39.5137,  
4.0517


 87.6107, 97.7459,  
22.6450

 23.5836, 27.1596,  
1.6537


 113.0156,  
125.4945, 34.0377


 15.1480, 17.6931,  
0.3287


 142.9104,  
158.0528, 48.7255

 9.0103, 10.7299,  
0.0000

 177.6605,  
195.8050, 67.1269

 4.8051, 5.8855,  
0.0000

 217.6312,  
239.1357, 89.6604

 2.1669, 2.7756,  
0.0000

 263.1880,

 0.7252, 1.0157,

288.4291, 116.7446

0.0000

314.6961,  
344.0698, 148.7980

■ 0.0000, 0.0000,  
0.0000

■ 48.8094, 55.1399,  
8.0705

■ 48.8094, 55.1399,  
8.0705

■ 48.8101, 55.1416,  
8.0708

■ 49.3896, 56.0732,  
8.9652

■ 50.1337, 57.0787,  
10.7012

■ 51.0955, 58.1801,  
13.5564

■ 52.3042, 59.3890,  
17.6852

■ 53.7847, 60.7155,  
23.2178

■ 55.5587, 62.1683,  
30.2685

■ 57.6457, 63.7551,  
38.9397

■ 60.0633, 65.4832,  
49.3250

■ 62.8282, 67.3590,  
61.5106

# Harmonies

## Analogous

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



65.5169, 55.1399, 9.8969



48.8094, 55.1399, 8.0705



35.9781, 55.1399, 13.4210

# Triad

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



48.8094, 55.1399, 8.0705



31.3703, 55.1399, 130.2710



86.2576, 55.1399, 101.9724

# Complementary

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



48.8094, 55.1399, 8.0705



12.7577, 5.4761, 66.0298

# 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.



73.2066, 55.1399, 162.3191



48.8094, 55.1399, 8.0705



41.1772, 55.1399, 183.6748

# Square

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



48.8094, 55.1399, 8.0705



27.3299, 55.1399, 71.2224



56.1810, 55.1399, 197.6998



89.4566, 55.1399, 50.0904



# Rectangle

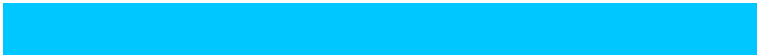
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.8094, 55.1399, 8.0705



30.5644, 55.1399, 23.4880



56.1810, 55.1399, 197.6998



82.7642, 55.1399, 122.5819

# Sweetspot

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



48.8106, 55.1425, 8.0716



82.9870, 91.8160, 55.7316



28.7575, 14.8089, 2.0877



17.4778, 19.4395, 10.7341



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.



48.8106, 55.1425, 8.0716



70.2879, 79.3558, 11.6126



34.0507, 54.3878, 8.7039



14.0597, 15.0587, 13.8912



29.5868, 33.4591, 4.8989



1.9460, 2.2261, 0.3271



# Inverse Universe

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



12.7577, 5.4761, 66.0298



18.3431, 7.8062, 95.1477



16.4376, 7.0274, 66.1353



12.4299, 12.7995, 16.4676



7.7550, 3.3794, 39.9820

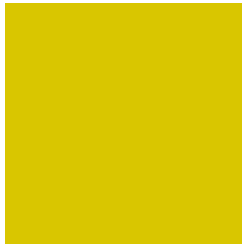


0.5348, 0.2837, 2.6010



# Previews

## White Background



This preview shows how the XYZ color 48.8094, 55.1399, 8.0705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

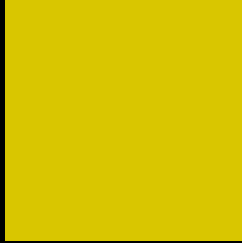
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.8094, 55.1399, 8.0705 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 48.8094, 55.1399, 8.0705**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.8094, 55.1399, 8.0705.



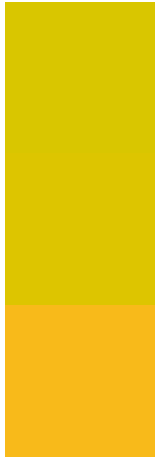
This preview shows how white text looks on a background with the XYZ color 48.8094, 55.1399,



# 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

48.8094, 55.1399, 8.0705

### Protanopia

49.7850, 55.3047, 8.0509

### Deuteranopia

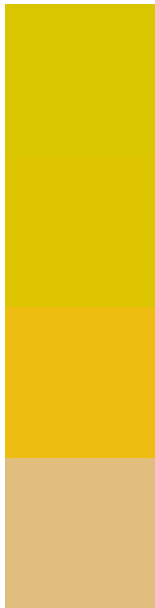
56.4568, 55.1489, 8.6465



## Tritanopia

59.6466, 55.0162, 60.9016

# Trichromacy



## Original Color

48.8094, 55.1399, 8.0705

## Protanomaly

49.4815, 55.1481, 8.0367

## Deuteranomaly

53.4397, 54.8719, 8.3051

## Tritanomaly

53.0148, 53.9091, 27.3500

# Monochromacy



## Original Color

48.8094, 55.1399, 8.0705

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

43.1130, 48.2478, 23.2601

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8094, 55.1399, 8.0705 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(217, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 198, 0)  
}
```

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(217, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 198, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8094, 55.1399, 8.0705 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(217, 198, 0) }
```



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

```
.border{ border-color:rgb(217, 198, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 198,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8094, 55.1399, 8.0705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 198, 0) }
```

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

```
.background{ background-color: rgb(217,  
198, 0) }
```

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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