

# Converting Colors

XYZ(58.5664, 70.7034, 10.5604)

Have a look what the booklet for  
XYZ(58.5664, 70.7034, 10.5604)  
contains.

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# **Color**

**XYZ(58.5604, 70.5615,  
10.5333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E200
RGB	226, 226, 0
RGB Percent	89%, 89%, 0%
CMY	0.1137, 0.1137, 0.9999
CMYK	0.00, 0.00, 1.00, 0.11
HSL	60°, 100%, 44%
HSV	60°, 100%, 89%
XYZ	58.5604, 70.5615, 10.5333
YIQ	200.2360, 72.5460, -70.2860

# Conversions

## Conversions Part 2

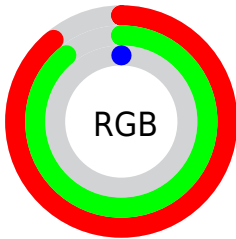
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 226, 0</a>
Decimal	<a href="#">14868992</a>
CIELab	<a href="#">87.27, -19.68, 86.24</a>
CIELCh	<a href="#">87, 88.459, 102.852</a>
Yxy	<a href="#">70.5615, 0.4193, 0.5053</a>
Android (android.graphics.Color)	<a href="#">4293059072 (0xFFE2E200)</a>
YUV	<a href="#">200.2360, -98.7163, 22.5950</a>
Hunter-Lab	<a href="#">84.0009, -22.5620, 51.3659</a>

# Details

The XYZ color **58.5604, 70.5615, 10.5333** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **13.7292, 5.4923, 72.2925**, and the grayscale version is **55.6078, 58.5037, 63.7105**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **30.2888, 37.2328, 5.5903** is the 20% darker color. If you saturate the color by 10%, you get **58.5618, 70.5647, 10.5338**, and if you desaturate by 10%, it is **58.7130, 70.6252, 11.3290**.

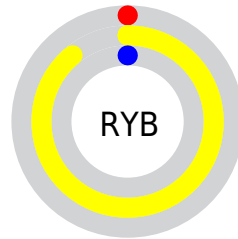
# Distribution



Red (89%)

Green (89%)

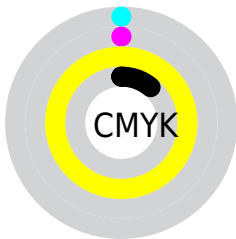
Blue (0%)



Red (0%)

Yellow (89%)

Blue (0%)

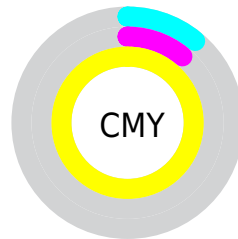


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (11%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5604, 70.5615, 10.5333 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 58.5604, 70.5615, 10.5333 by changing the saturation by 10% instead.





 58.5604, 70.5615,  
10.5333

 58.5604, 70.5615,  
10.5333

409.1912,  
462.5191, 205.0583


 42.5043, 51.9844,  
5.6438


 101.8568,  
120.0091, 27.4172

 29.6892, 36.9927,  
2.5644


 129.8278,  
151.6485, 40.2486


 19.7497, 25.2018,  
0.8740


 162.5012,  
188.4108, 56.5645

 12.3205, 16.2275,  
0.0000

 200.2423,  
230.6803, 76.7832

 7.0361, 9.6853,  
0.0000

 243.4165,  
278.8415, 101.3234

 3.5312, 5.1908,  
0.0000

 292.3892,

 1.4405, 2.3596,

333.2788, 130.6037

0.0000

347.5256,  
394.3765, 165.0424

■ 0.2848, 0.8050,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5604, 70.5615,  
10.5333

■ 58.5604, 70.5615,  
10.5333

■ 58.5618, 70.5647,  
10.5338

■ 58.7130, 70.6252,  
11.3290

■ 59.0404, 70.7562,  
13.0518

■ 59.6008, 70.9804,  
16.0016

■ 60.4267, 71.3108,  
20.3496

61.5455, 71.7584,  
26.2401

62.9812, 72.3327,  
33.7991

64.7553, 73.0423,  
43.1401

66.8874, 73.8952,  
54.3662

69.3956, 74.8985,  
67.5730

# Harmonies

## Analogous

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



79.5595, 70.5615, 11.1351



58.5604, 70.5615, 10.5333



43.3835, 70.5615, 19.7450

# Triad

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



58.5604, 70.5615, 10.5333



41.8175, 70.5615, 183.9844



112.9862, 70.5615, 115.7782

# Complementary

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



58.5604, 70.5615, 10.5333



13.7292, 5.4923, 72.2925

# 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.



98.1000, 70.5615, 195.0642



58.5604, 70.5615, 10.5333



55.9552, 70.5615, 246.4101

# Square

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



58.5604, 70.5615, 10.5333



35.1499, 70.5615, 105.2181



76.3590, 70.5615, 251.2735



114.0881, 70.5615, 54.0701



# Rectangle

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



58.5604, 70.5615, 10.5333



37.4089, 70.5615, 35.5296



76.3590, 70.5615, 251.2735



109.3068, 70.5615, 141.8180

# Sweetspot

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



58.5620, 70.5648, 10.5347



85.0853, 96.0140, 56.4313



31.3665, 16.1705, 1.4689



17.9888, 20.4617, 10.9045



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.



58.5620, 70.5648, 10.5347



76.9970, 92.7785, 13.8499



34.0107, 57.9082, 9.3858



14.8718, 16.0296, 14.6170



33.4075, 40.2547, 6.0092



2.3156, 2.7902, 0.4165



# Inverse Universe

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



13.7292, 5.4923, 72.2925



18.0501, 7.2201, 95.0500



20.5412, 9.0040, 72.6113



12.9521, 13.2434, 17.2613



7.8316, 3.1326, 41.2403

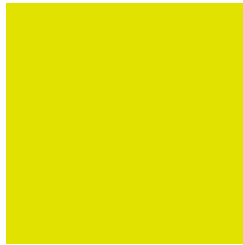


0.5429, 0.2171, 2.8585



# Previews

## White Background



This preview shows how the XYZ color 58.5604, 70.5615, 10.5333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

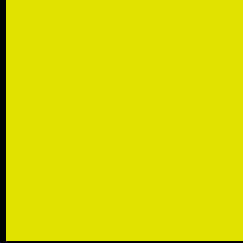
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5604, 70.5615, 10.5333 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 58.5604, 70.5615, 10.5333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5604, 70.5615, 10.5333.



This preview shows how white text looks on a background with the XYZ color 58.5604, 70.5615,



# 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

58.5604, 70.5615, 10.5333

### Protanopia

63.6893, 70.4372, 10.2390

### Deuteranopia

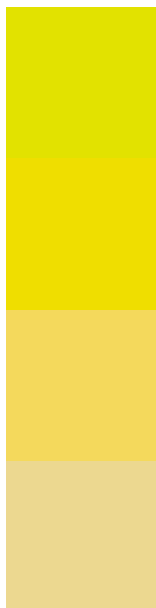
69.8943, 70.3913, 36.6911



## **Tritanopia**

73.0497, 70.2849, 81.6677

# Trichromacy



## Original Color

58.5604, 70.5615, 10.5333

## Protanomaly

61.7179, 70.5933, 10.3730

## Deuteranomaly

64.0528, 69.6315, 20.1895

## Tritanomaly

64.1820, 68.9582, 36.3131

# Monochromacy



## Original Color

58.5604, 70.5615, 10.5333

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

52.9257, 60.6885, 29.0033

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5604, 70.5615, 10.5333 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(226, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 226, 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(226, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 226, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5604, 70.5615, 10.5333 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(226, 226, 0) }
```



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

```
.border{ border-color:rgb(226, 226, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 226, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 226,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5604, 70.5615, 10.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 226, 0) }
```

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

```
.background{ background-color: rgb(226,  
226, 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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