

Converting Colors

XYZ(58.5882, 71.0042, 10.6172)

Have a look what the booklet for
XYZ(58.5882, 71.0042, 10.6172)
contains.

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Color

**XYZ(58.5204, 70.9457,
10.6095)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E300
RGB	225, 227, 0
RGB Percent	88%, 89%, 0%
CMY	0.1177, 0.1098, 0.9999
CMYK	0.01, 0.00, 1.00, 0.11
HSL	61°, 100%, 45%
HSV	61°, 100%, 89%
XYZ	58.5204, 70.9457, 10.6095
YIQ	200.5240, 71.6750, -71.0210

Conversions

Conversions Part 2

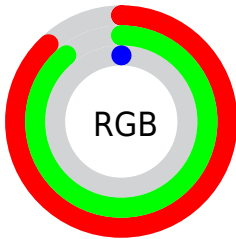
Format	Color
RYB	0, 227, 2
Decimal	14803712
CIELab	87.46, -20.58, 86.34
CIELCh	87, 88.763, 103.406
Yxy	70.9457, 0.4178, 0.5065
Android (android.graphics.Color)	4292993792 (0xFFE1E300)
YUV	200.5240, -98.8583, 21.4655
Hunter-Lab	84.2293, -23.3839, 51.4923

Details

The XYZ color **58.5204, 70.9457, 10.6095** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.8918, 5.5602, 73.0185**, and the grayscale version is **55.7876, 58.6929, 63.9166**.

A 20% lighter version of the original color is **78.8455, 93.5182, 23.5681**, and **30.2696, 37.5044, 5.6437** is the 20% darker color. If you saturate the color by 10%, you get **58.5218, 70.9489, 10.6101**, and if you desaturate by 10%, it is **58.7364, 71.0420, 11.4133**.

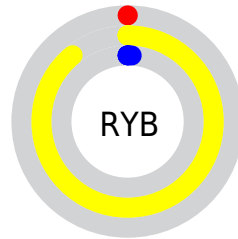
Distribution



Red (88%)

Green (89%)

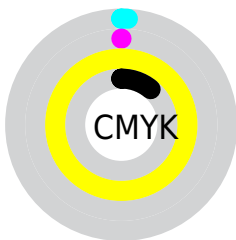
Blue (0%)



Red (0%)

Yellow (89%)

Blue (1%)

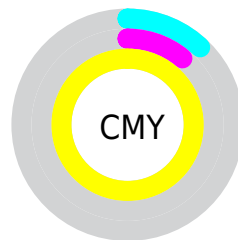


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (12%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5204, 70.9457, 10.6095 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 58.5204, 70.9457, 10.6095 by changing the saturation by 10% instead.


 58.5204, 70.9457,
10.6095

 58.5204, 70.9457,
10.6095


409.0449,
463.8636, 205.6089

 42.4720, 52.2979,
5.6941


 101.7989,
120.5564, 27.5613


 29.6638, 37.2426,
2.5942


 129.7598,
152.2881, 40.4347


 19.7304, 25.3954,
0.8895


 162.4222,
189.1498, 56.7979

 12.3063, 16.3719,
0.0000

 200.1515,
231.5261, 77.0694

 7.0263, 9.7877,
0.0000

 243.3131,
279.8012, 101.6677

 3.5250, 5.2584,
0.0000

 292.2723,

 1.4371, 2.3997,

334.3595, 131.0113

0.0000

347.3945,
395.5855, 165.5189

■ 0.2824, 0.8257,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.5204, 70.9457,
10.6095

■ 58.5204, 70.9457,
10.6095

■ 58.5218, 70.9489,
10.6101

■ 58.7364, 71.0420,
11.4133

■ 59.1292, 71.2064,
13.1541

■ 59.7573, 71.4649,
16.1345

■ 60.6539, 71.8307,
20.5276

■ 61.8464, 72.3150,
26.4791

■ 63.3592, 72.9274,
34.1167

■ 65.2140, 73.6766,
43.5548

■ 67.4306, 74.5706,
54.8979

■ 70.0274, 75.6166,
68.2425

Harmonies

Analogous

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



79.5975, 70.9457, 11.0577



58.5204, 70.9457, 10.6095



43.3745, 70.9457, 20.1062

Triad

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



58.5204, 70.9457, 10.6095



42.2047, 70.9457, 186.6753



113.8499, 70.9457, 115.0839

Complementary

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



58.5204, 70.9457, 10.6095



13.8918, 5.5602, 73.0185

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.



99.0581, 70.9457, 194.9654



58.5204, 70.9457, 10.6095



56.5735, 70.9457, 248.8458

Square

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



58.5204, 70.9457, 10.6095



35.3574, 70.9457, 107.1873



77.2048, 70.9457, 252.4856



114.6741, 70.9457, 53.4774

Rectangle

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



58.5204, 70.9457, 10.6095



37.4542, 70.9457, 36.2695



77.2048, 70.9457, 252.4856



110.2264, 70.9457, 141.2265

Sweetspot

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



58.5220, 70.9490, 10.6109



84.8378, 95.8864, 56.4197



31.6810, 16.3326, 1.4836



17.9283, 20.4306, 10.9016



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.



58.5220, 70.9490, 10.6109



76.1753, 92.3549, 13.8114



34.3478, 58.4868, 9.4796



15.5884, 16.8104, 15.3276



34.1337, 41.3780, 6.1877



2.5265, 3.0598, 0.4574

Inverse Universe

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



13.8918, 5.5602, 73.0185



18.0782, 7.2346, 95.0513



20.7432, 9.0922, 73.3392



13.5946, 13.8932, 18.1095



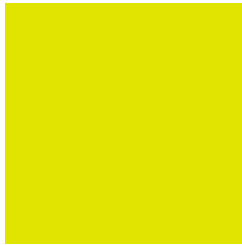
8.1059, 3.2447, 42.5822



0.6032, 0.2419, 3.1469

Previews

White Background



This preview shows how the XYZ color 58.5204, 70.9457, 10.6095 looks on a white background.

Color Contrast Check

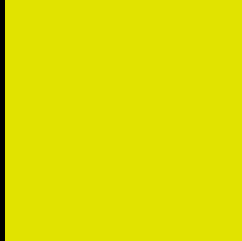
Large Text (above 18pt) WCAG AA × Fail

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 58.5204, 70.9457, 10.6095 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 58.5204, 70.9457, 10.6095

Background



This preview shows how black text looks on a background with the XYZ color 58.5204, 70.9457, 10.6095.



This preview shows how white text looks on a background with the XYZ color 58.5204, 70.9457,

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

58.5204, 70.9457, 10.6095

Protanopia

63.9510, 70.9606, 10.3262

Deuteranopia

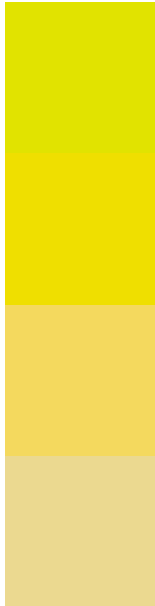
70.0499, 70.4536, 37.5106



Tritanopia

73.0946, 70.6598, 82.4593

Trichromacy



Original Color

58.5204, 70.9457, 10.6095

Protanomaly

61.9843, 71.1261, 10.4618

Deuteranomaly

64.1415, 69.6670, 20.6561

Tritanomaly

64.1078, 69.3015, 36.3832

Monochromacy



Original Color

58.5204, 70.9457, 10.6095

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.5212, 61.3533, 29.4436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5204, 70.9457, 10.6095 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(225, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 227, 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(225, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 58.5204, 70.9457, 10.6095 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(225, 227, 0) }
```


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

```
.border{ border-color:rgb(225, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 227,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5204, 70.9457, 10.6095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 227, 0) }
```

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

```
.background{ background-color: rgb(225,  
227, 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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