

Converting Colors

XYZ(59.0217, 67.6229, 12.5771)

Have a look what the booklet for
XYZ(59.0217, 67.6229, 12.5771)
contains.

XYZ(58.8433, 67.4959, 12.5114)	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(58.8433, 67.4959,
12.5114)**

Conversions

Conversions Part 1

Format	Color
Hex	E8DA2E
RGB	232, 218, 46
RGB Percent	91%, 85%, 18%
CMY	0.0902, 0.1451, 0.8196
CMYK	0.00, 0.06, 0.80, 0.09
HSL	55°, 80%, 55%
HSV	55°, 80%, 91%
XYZ	58.8433, 67.4959, 12.5114
YIQ	202.5780, 63.5560, -50.5240

Conversions

Conversions Part 2

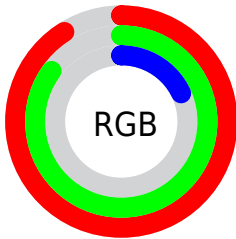
Format	Color
R _Y B	61, 232, 46
Decimal	15260206
CIE Lab	85.75, -12.45, 78.20
CIE LCh	86, 79.190, 99.045
Yxy	67.4959, 0.4238, 0.4861
Android (android.graphics.Color)	4293450286 (0xFFE8DA2E)
YUV	202.5780, -77.1930, 25.8031
Hunter-Lab	82.1559, -15.9240, 48.4799

Details

The XYZ color **58.8433, 67.4959, 12.5114** 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 **17.3084, 9.6390, 77.2917**, and the grayscale version is **56.9427, 59.9082, 65.2400**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **30.1105, 34.9650, 5.1619** is the 20% darker color. If you saturate the color by 10%, you get **58.0540, 66.4623, 10.5693**, and if you desaturate by 10%, it is **59.8872, 68.6441, 15.7574**.

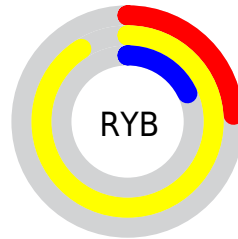
Distribution



Red (91%)

Green (85%)

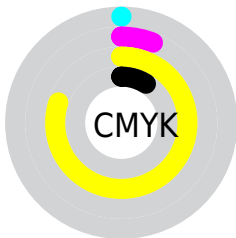
Blue (18%)



Red (24%)

Yellow (91%)

Blue (18%)

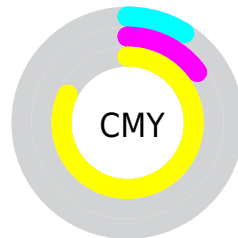


Cyan (0%)

Magenta (6%)

Yellow (80%)

Black (9%)



Cyan (9%)

Magenta (15%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8433, 67.4959, 12.5114 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 58.8433, 67.4959, 12.5114 by changing the saturation by 10% instead.

■ 58.8433, 67.4959,
12.5114

■ 58.8433, 67.4959,
12.5114

410.2244,
451.7079, 218.8588

■ 42.7329, 49.4877,
6.9662

■ 102.2658,
115.6307, 31.1014

■ 29.8692, 35.0065,
3.3629

■ 130.3086,
146.5261, 44.9832

■ 19.8869, 23.6679,
1.2828

■ 163.0596,
182.4861, 62.4811

■ 12.4206, 15.0875,
0.0476

■ 200.8841,
223.8950, 84.0134

■ 7.1051, 8.8808,
0.0000

■ 244.1474,
271.1372, 109.9988

■ 3.5748, 4.6635,
0.0000

293.2150,

■ 1.4645, 2.0512,

324.5972, 140.8559

0.0000

348.4522,
384.6593, 177.0030

■ 0.3015, 0.6370,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8433, 67.4959,
12.5114

■ 58.8433, 67.4959,
12.5114

■ 58.0540, 66.4623,
10.5693

■ 59.8872, 68.6441,
15.7574

■ 57.4632, 65.5251,
9.6190

■ 61.2161, 69.9114,
20.4868

■ 62.8607, 71.3126,
26.8552

■ 64.8467, 72.8581,
34.9977

67.1970, 74.5571,
45.0353

69.9327, 76.4180,
57.0782

73.0732, 78.4485,
71.2284

76.6364, 80.6559,
87.5809

80.6393, 83.0470,
106.2248

Harmonies

Analogous

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



77.3998, 67.4959, 14.2258



58.8433, 67.4959, 12.5114



44.6584, 67.4959, 20.1299

Triad

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



58.8433, 67.4959, 12.5114



40.7726, 67.4959, 155.6971



102.3829, 67.4959, 115.1368

Complementary

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



58.8433, 67.4959, 12.5114



17.3084, 9.6390, 77.2917

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.



88.6266, 67.4959, 181.0444



58.8433, 67.4959, 12.5114



52.5107, 67.4959, 211.1090

Square

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



58.8433, 67.4959, 12.5114



35.5912, 67.4959, 90.2742



69.7725, 67.4959, 222.0934



104.9525, 67.4959, 58.9296

Rectangle

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



58.8433, 67.4959, 12.5114



38.7289, 67.4959, 33.2680



69.7725, 67.4959, 222.0934



98.8051, 67.4959, 137.4843

Sweetspot

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



58.8448, 67.4991, 12.5128



85.2638, 93.7634, 64.5255



35.1118, 19.4527, 6.3910



17.9929, 19.8937, 12.6820



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.



58.8448, 67.4991, 12.5128



71.4593, 81.6092, 12.2788



42.7721, 64.8297, 12.8446



15.5039, 16.6218, 15.2956



31.9429, 36.4600, 5.3539



2.3883, 2.7499, 0.4049

Inverse Universe

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



17.3084, 9.6390, 77.2917



18.6077, 8.1459, 95.1993



23.7834, 12.0290, 77.4118



13.6695, 14.0604, 18.1378



8.2357, 3.5334, 42.6311



0.6392, 0.3223, 3.1605

Previews

White Background



This preview shows how the XYZ color 58.8433, 67.4959, 12.5114 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 58.8433, 67.4959, 12.5114 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 58.8433, 67.4959, 12.5114

Background



This preview shows how black text looks on a background with the XYZ color 58.8433, 67.4959, 12.5114.



This preview shows how white text looks on a background with the XYZ color 58.8433, 67.4959,

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

58.8433, 67.4959, 12.5114

Protanopia

61.0497, 67.4911, 12.2920

Deuteranopia

67.4491, 67.4442, 29.8851



Tritanopia

71.7983, 67.2388, 76.2120

Trichromacy



Original Color

58.8433, 67.4959, 12.5114

Protanomaly

60.2894, 67.4783, 12.3297

Deuteranomaly

63.8566, 67.2445, 21.1692

Tritanomaly

64.4918, 66.0373, 40.7999

Monochromacy



Original Color

58.8433, 67.4959, 12.5114

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.4757, 61.4832, 36.1377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8433, 67.4959, 12.5114 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(232, 218, 46)` looks like.

```
.text, #text, p{  
    color:rgb(232, 218, 46)  
}
```

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(232, 218, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 218, 46) }
```

Border

The CSS property to change the border of an element to XYZ 58.8433, 67.4959, 12.5114 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(232, 218, 46) }
```


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

```
.border{ border-color:rgb(232, 218, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 218, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 218, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 218, 46);  
box-shadow:4px 4px 4px 4px rgb(232, 218,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8433, 67.4959, 12.5114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 218, 46) }
```

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

```
.background{ background-color: rgb(232,  
218, 46) }
```

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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