

Converting Colors

XYZ(57.8272, 59.8581, 8.5059)

Have a look what the booklet for
XYZ(57.8272, 59.8581, 8.5059)
contains.

XYZ(57.8503, 59.8006, 8.4936)	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(57.8503, 59.8006,
8.4936)**

Conversions

Conversions Part 1

Format	Color
Hex	F5C600
RGB	245, 198, 0
RGB Percent	96%, 78%, 0%
CMY	0.0392, 0.2235, 0.9999
CMYK	0.00, 0.19, 1.00, 0.04
HSL	48°, 100%, 48%
HSV	48°, 100%, 96%
XYZ	57.8503, 59.8006, 8.4936
YIQ	189.4810, 91.5700, -51.6140

Conversions

Conversions Part 2

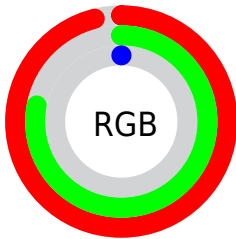
Format	Color
R _Y B	58, 245, 0
Decimal	16107008
CIE Lab	81.73, 2.48, 83.04
CIE LCh	82, 83.081, 88.286
Yxy	59.8006, 0.4586, 0.4741
Android (android.graphics.Color)	4294297088 (0xFFFF5C600)
YUV	189.4810, -93.4141, 48.6902
Hunter-Lab	77.3308, -1.7952, 47.6195

Details

The XYZ color **57.8503, 59.8006, 8.4936** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **17.4987, 8.6269, 87.1285**, and the grayscale version is **49.1309, 51.6895, 56.2899**.

A 20% lighter version of the original color is **78.3215, 92.7995, 22.3784**, and **29.6538, 30.3181, 4.2890** is the 20% darker color. If you saturate the color by 10%, you get **57.8505, 59.8015, 8.4938**, and if you desaturate by 10%, it is **59.1129, 62.0537, 9.7549**.

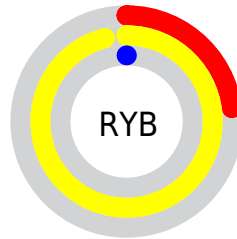
Distribution



Red (96%)

Green (78%)

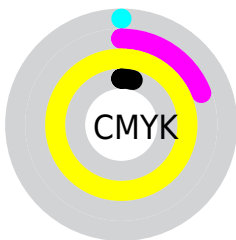
Blue (0%)



Red (23%)

Yellow (96%)

Blue (0%)

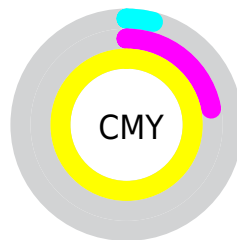


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8503, 59.8006, 8.4936 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 57.8503, 59.8006, 8.4936 by changing the saturation by 10% instead.


 57.8503, 59.8006,
8.4936


 57.8503, 59.8006,
8.4936


406.5907,
423.8624, 189.6307


 41.9311, 43.2579,
4.3201


 100.8290,
104.5404, 23.4825

 29.2382, 30.0875,
1.8025


 128.6193,
133.5062, 35.1350


 19.4063, 19.9050,
0.4296


 161.0973,
167.3820, 50.1176

 12.0700, 12.3260,
0.0000

 198.6284,
206.5520, 68.8488

 6.8639, 6.9661,
0.0000

 241.5779,
251.4006, 91.7472

 3.4227, 3.4409,
0.0000

 290.3113,

 1.3810, 1.3660,

302.3123, 119.2313

0.0000

345.1937,
359.6714, 151.7196

■ 0.2427, 0.1915,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8503, 59.8006,
8.4936

■ 57.8503, 59.8006,
8.4936

■ 57.8505, 59.8015,
8.4938

■ 59.1129, 62.0537,
9.7549

■ 60.6221, 64.4569,
12.1545

■ 62.4458, 67.0401,
16.0432

■ 64.6243, 69.8200,
21.6313

■ 67.1912, 72.8105,
29.0948

■ 70.1762, 76.0238,
38.5881

■ 73.6057, 79.4709,
50.2493

■ 77.5038, 83.1621,
64.2045

■ 81.8931, 87.1066,
80.5699

Harmonies

Analogous

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



76.4133, 59.8006, 12.7409



57.8503, 59.8006, 8.4936



42.3451, 59.8006, 11.7946

Triad

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



57.8503, 59.8006, 8.4936



32.0698, 59.8006, 122.2487



90.5157, 59.8006, 129.9991

Complementary

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



57.8503, 59.8006, 8.4936



17.4987, 8.6269, 87.1285

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.



74.3111, 59.8006, 192.0805



57.8503, 59.8006, 8.4936



40.9297, 59.8006, 186.2169

Square

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



57.8503, 59.8006, 8.4936



29.4149, 59.8006, 62.2748



55.8389, 59.8006, 216.6249



97.5160, 59.8006, 68.0356

Rectangle

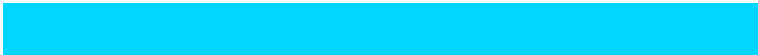
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.8503, 59.8006, 8.4936



35.2491, 59.8006, 19.7516



55.8389, 59.8006, 216.6249



85.8202, 59.8006, 152.5271

Sweetspot

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



57.8516, 59.8035, 8.4948



80.5821, 87.0064, 54.9300



38.2109, 19.6347, 4.6836



16.8955, 18.2749, 10.5400



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.



57.8516, 59.8035, 8.4948



63.3317, 65.4433, 9.2939



49.5574, 74.0193, 11.6759



17.6287, 18.7416, 17.4859



31.2631, 32.4118, 4.6084



2.8155, 2.9843, 0.4276

Inverse Universe

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



17.4987, 8.6269, 87.1285



19.1448, 9.4096, 95.4149



19.2684, 8.0297, 86.9200



15.8384, 16.4411, 20.8812



9.5010, 4.7957, 46.9629



0.9029, 0.5573, 4.1502

Previews

White Background



This preview shows how the XYZ color 57.8503, 59.8006, 8.4936 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 57.8503, 59.8006, 8.4936 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 57.8503, 59.8006, 8.4936

Background



This preview shows how black text looks on a background with the XYZ color 57.8503, 59.8006, 8.4936.



This preview shows how white text looks on a background with the XYZ color 57.8503, 59.8006,

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

57.8503, 59.8006, 8.4936

Protanopia

53.9608, 59.8657, 8.9984

Deuteranopia

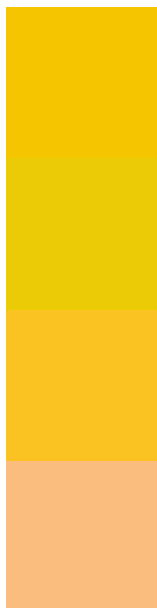
60.9298, 59.6479, 11.5507



Tritanopia

68.5735, 59.6182, 61.3193

Trichromacy



Original Color

57.8503, 59.8006, 8.4936

Protanomaly

55.4144, 59.9164, 8.8167

Deuteranomaly

59.5733, 59.6492, 9.8124

Tritanomaly

61.7472, 58.4108, 27.7586

Monochromacy



Original Color

57.8503, 59.8006, 8.4936

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.5343, 52.6106, 25.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8503, 59.8006, 8.4936 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(245, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.8503, 59.8006, 8.4936 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(245, 198, 0) }
```


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

```
.border{ border-color:rgb(245, 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(245, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 198,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8503, 59.8006, 8.4936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 198, 0) }
```

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

```
.background{ background-color: rgb(245,  
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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