

Converting Colors

XYZ(57.8633, 57.2551, 8.0016)

Have a look what the booklet for
XYZ(57.8633, 57.2551, 8.0016)
contains.

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Color

**XYZ(57.8378, 57.1509,
7.9828)**

Conversions

Conversions Part 1

Format	Color
Hex	FABE00
RGB	250, 190, 0
RGB Percent	98%, 75%, 0%
CMY	0.0196, 0.2549, 0.9999
CMYK	0.00, 0.24, 1.00, 0.02
HSL	46°, 100%, 49%
HSV	46°, 100%, 98%
XYZ	57.8378, 57.1509, 7.9828
YIQ	186.2800, 96.7500, -46.3700

Conversions

Conversions Part 2

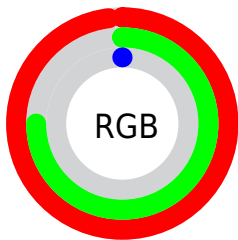
Format	Color
R _Y B	79, 250, 0
Decimal	16432640
CIE Lab	80.26, 8.77, 82.27
CIE LCh	80, 82.732, 83.915
Yxy	57.1509, 0.4703, 0.4647
Android (android.graphics.Color)	4294622720 (0xFFFAE00)
YUV	186.2800, -91.8360, 55.8824
Hunter-Lab	75.5982, 4.2678, 46.6580

Details

The XYZ color **57.8378, 57.1509, 7.9828** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **18.8719, 10.1352, 91.4034**, and the grayscale version is **47.2932, 49.7562, 54.1845**.

A 20% lighter version of the original color is **75.7960, 87.8116, 21.3420**, and **29.6847, 28.5827, 3.9525** is the 20% darker color. If you saturate the color by 10%, you get **57.8379, 57.1516, 7.9830**, and if you desaturate by 10%, it is **59.3411, 59.8769, 9.3506**.

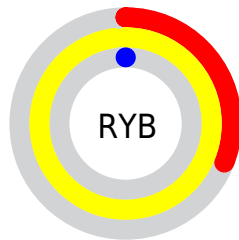
Distribution



Red (98%)

Green (75%)

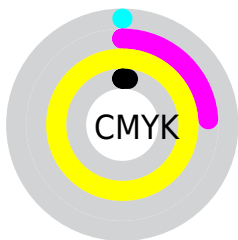
Blue (0%)



Red (31%)

Yellow (98%)

Blue (0%)

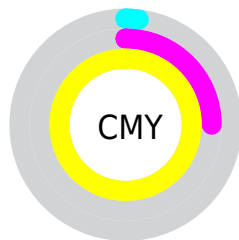


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8378, 57.1509, 7.9828 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 57.8378, 57.1509, 7.9828 by changing the saturation by 10% instead.


 57.8378, 57.1509,
7.9828

 57.8378, 57.1509,
7.9828


406.5449,
414.0145, 185.5266

 41.9210, 41.1264,
3.9963


 100.8109,
100.6853, 22.4703

 29.2303, 28.4179,
1.6233


 128.5980,
128.9641, 33.8085

 19.4003, 18.6409,
0.3074


 161.0726,
162.0963, 48.4343

 12.0656, 11.4111,
0.0000

 198.5999,
200.4665, 66.7662

 6.8609, 6.3441,
0.0000

 241.5455,
244.4591, 89.2229

 3.4208, 3.0554,
0.0000

 290.2746,

 1.3800, 1.1607,

294.4583, 116.2228

0.0000

345.1526,
350.8486, 148.1845

■ 0.2419, 0.0293,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8378, 57.1509,
7.9828

■ 57.8378, 57.1509,
7.9828

■ 57.8379, 57.1516,
7.9830

■ 59.3411, 59.8769,
9.3506

■ 61.1222, 62.7983,
11.9196

■ 63.2520, 65.9468,
16.0554

■ 65.7732, 69.3403,
21.9789

■ 68.7215, 72.9942,
29.8758

■ 72.1283, 76.9219,
39.9082

■ 76.0217, 81.1356,
52.2213

■ 80.4274, 85.6465,
66.9478

■ 85.3692, 90.4650,
84.2098

Harmonies

Analogous

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



75.7930, 57.1509, 13.2516



57.8378, 57.1509, 7.9828



42.1844, 57.1509, 10.0360

Triad

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



57.8378, 57.1509, 7.9828



29.7025, 57.1509, 108.0867



85.0370, 57.1509, 134.7016

Complementary

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



57.8378, 57.1509, 7.9828



18.8719, 10.1352, 91.4034

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.



68.5853, 57.1509, 191.9441



57.8378, 57.1509, 7.9828



37.3422, 57.1509, 171.7916

Square

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



57.8378, 57.1509, 7.9828



27.9934, 57.1509, 52.8755



50.9482, 57.1509, 208.2002



93.4585, 57.1509, 72.6222

Rectangle

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



57.8378, 57.1509, 7.9828



34.7568, 57.1509, 16.3830



50.9482, 57.1509, 208.2002



80.1168, 57.1509, 156.2136

Sweetspot

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



57.8391, 57.1537, 7.9839



79.5065, 84.8551, 54.5714



40.3079, 20.6777, 6.4986



16.6363, 17.7564, 10.4536



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.



57.8391, 57.1537, 7.9839



60.4879, 59.7558, 8.3460



54.8026, 78.9992, 12.3606



18.3537, 19.4433, 18.2480



30.7967, 30.5500, 4.2736



2.9339, 2.9927, 0.4230

Inverse Universe

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



18.8719, 10.1352, 91.4034



19.7293, 10.5786, 95.6098



19.2744, 7.9434, 90.9591



16.6212, 17.3193, 21.8522



10.1021, 5.5598, 48.5143



1.0141, 0.6720, 4.5194

Previews

White Background



This preview shows how the XYZ color 57.8378, 57.1509, 7.9828 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 57.8378, 57.1509, 7.9828 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 57.8378, 57.1509, 7.9828

Background



This preview shows how black text looks on a background with the XYZ color 57.8378, 57.1509, 7.9828.



This preview shows how white text looks on a background with the XYZ color 57.8378, 57.1509,

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

57.8378, 57.1509, 7.9828

Protanopia

51.7783, 57.3452, 8.7205

Deuteranopia

58.3863, 57.1082, 8.1754



Tritanopia

66.7641, 57.2618, 56.8240

Trichromacy



Original Color

57.8378, 57.1509, 7.9828

Protanomaly

53.7154, 56.9898, 8.3988

Deuteranomaly

58.0087, 56.9154, 8.0720

Tritanomaly

60.9544, 56.1548, 26.0387

Monochromacy



Original Color

57.8378, 57.1509, 7.9828

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.3348, 50.4040, 24.3737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8378, 57.1509, 7.9828 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(250, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 190, 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(250, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 190, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.8378, 57.1509, 7.9828 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(250, 190, 0) }
```


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

```
.border{ border-color:rgb(250, 190, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 190, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 190, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 190, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 190,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8378, 57.1509, 7.9828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 190, 0) }
```

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

```
.background{ background-color: rgb(250,  
190, 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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