

Converting Colors

XYZ(57.1915, 55.9115, 7.7777)

Have a look what the booklet for
XYZ(57.1915, 55.9115, 7.7777)
contains.

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Color

**XYZ(57.1947, 55.8646,
7.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	FABB00
RGB	250, 187, 0
RGB Percent	98%, 73%, 0%
CMY	0.0196, 0.2666, 0.9999
CMYK	0.00, 0.25, 1.00, 0.02
HSL	45°, 100%, 49%
HSV	45°, 100%, 98%
XYZ	57.1947, 55.8646, 7.7685
YIQ	184.5190, 97.5750, -44.8010

Conversions

Conversions Part 2

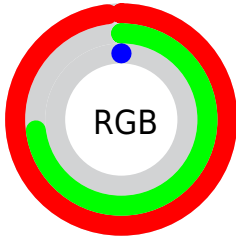
Format	Color
RYB	84, 250, 0
Decimal	16431872
CIELab	79.54, 10.33, 81.77
CIELCh	80, 82.417, 82.800
Yxy	55.8646, 0.4734, 0.4623
Android (android.graphics.Color)	4294621952 (0xFFFABB00)
YUV	184.5190, -90.9679, 57.4268
Hunter-Lab	74.7426, 5.7925, 46.1574

Details

The XYZ color **57.1947, 55.8646, 7.7685** 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 **19.0338, 10.4589, 91.4575**, and the grayscale version is **46.3007, 48.7119, 53.0472**.

A 20% lighter version of the original color is **74.8519, 85.9857, 20.8354**, and **29.2641, 27.7416, 3.8123** is the 20% darker color. If you saturate the color by 10%, you get **57.1946, 55.8650, 7.7685**, and if you desaturate by 10%, it is **58.7376, 58.6697, 9.1495**.

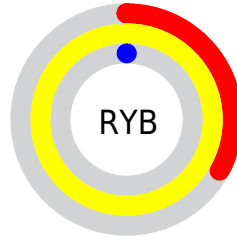
Distribution



Red (98%)

Green (73%)

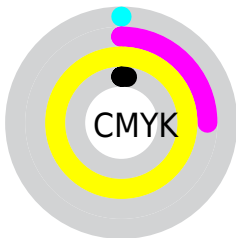
Blue (0%)



Red (33%)

Yellow (98%)

Blue (0%)

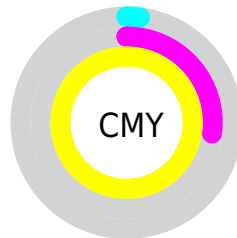


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.1947, 55.8646, 7.7685 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 57.1947, 55.8646, 7.7685 by changing the saturation by 10% instead.


 57.1947, 55.8646,
7.7685


 57.1947, 55.8646,
7.7685


404.1809,
409.1810, 183.7711

 41.4023, 40.0944,
3.8615


 99.8789, 98.8066,
22.0420

 28.8226, 27.6121,
1.5497


 127.5015,
126.7471, 33.2456

 19.0903, 18.0335,
0.2545


 159.7982,
159.5132, 47.7184

 11.8399, 10.9740,
0.0000

 197.1344,
197.4893, 65.8792

 6.7062, 6.0494,
0.0000

 239.8754,
241.0597, 88.1462

 3.3237, 2.8751,
0.0000

 288.3866,

 1.3272, 1.0669,

290.6089, 114.9382

0.0000

343.0333,
346.5212, 146.6736

■ 0.2034, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.1947, 55.8646,
7.7685

■ 57.1947, 55.8646,
7.7685

■ 57.1946, 55.8650,
7.7685

■ 58.7376, 58.6697,
9.1495

■ 60.5635, 61.6808,
11.7336

■ 62.7435, 64.9296,
15.8863

■ 65.3204, 68.4344,
21.8285

■ 68.3299, 72.2106,
29.7460

■ 71.8035, 76.2719,
39.8008

■ 75.7695, 80.6307,
52.1384

■ 80.2536, 85.2983,
66.8912

■ 85.2796, 90.2853,
84.1816

Harmonies

Analogous

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



74.7996, 55.8646, 13.2346



57.1947, 55.8646, 7.7685



41.6768, 55.8646, 9.5113

Triad

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



57.1947, 55.8646, 7.7685



28.7966, 55.8646, 103.5120



82.7550, 55.8646, 134.4143

Complementary

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



57.1947, 55.8646, 7.7685



19.0338, 10.4589, 91.4575

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.



66.4347, 55.8646, 189.7918



57.1947, 55.8646, 7.7685



36.0606, 55.8646, 166.3890

Square

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



57.1947, 55.8646, 7.7685



27.3328, 55.8646, 50.0855



49.2010, 55.8646, 203.8194



91.4234, 55.8646, 73.0040

Rectangle

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



57.1947, 55.8646, 7.7685



34.2485, 55.8646, 15.4187



49.2010, 55.8646, 203.8194



77.8378, 55.8646, 155.4256

Sweetspot

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



57.1959, 55.8674, 7.7696



79.2418, 84.3257, 54.4832



40.4279, 20.7258, 7.1301



16.5726, 17.6291, 10.4324



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.



57.1959, 55.8674, 7.7696



59.8145, 58.4090, 8.1215



55.8406, 79.5344, 12.4092



18.3353, 19.4066, 18.2419



30.4588, 29.8742, 4.1609



2.9051, 2.9352, 0.4134

Inverse Universe

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



19.0338, 10.4589, 91.4575



19.8980, 10.9160, 95.6660



19.0208, 7.8126, 90.9474



16.6384, 17.3537, 21.8579



10.1915, 5.7385, 48.5440



1.0245, 0.6928, 4.5229

Previews

White Background



This preview shows how the XYZ color 57.1947, 55.8646, 7.7685 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 57.1947, 55.8646, 7.7685 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 57.1947, 55.8646, 7.7685

Background



This preview shows how black text looks on a background with the XYZ color 57.1947, 55.8646, 7.7685.



This preview shows how white text looks on a background with the XYZ color 57.1947, 55.8646,

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

57.1947, 55.8646, 7.7685

Protanopia

50.7048, 56.1078, 8.5729

Deuteranopia

57.1947, 55.8646, 7.7685



Tritanopia

65.8424, 55.9415, 54.9045

Trichromacy



Original Color

57.1947, 55.8646, 7.7685

Protanomaly

52.9454, 55.9269, 8.2629

Deuteranomaly

57.1947, 55.8646, 7.7685

Tritanomaly

60.2194, 54.8812, 25.1885

Monochromacy



Original Color

57.1947, 55.8646, 7.7685

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1234, 49.9811, 24.3032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1947, 55.8646, 7.7685 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, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 187, 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, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 187, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.1947, 55.8646, 7.7685 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, 187, 0) }
```


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

```
.border{ border-color:rgb(250, 187, 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, 187, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 187,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1947, 55.8646, 7.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 187, 0) }
```

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

```
.background{ background-color: rgb(250,  
187, 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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