

Converting Colors

XYZ(57.8459, 55.8553, 7.7323)

Have a look what the booklet for
XYZ(57.8459, 55.8553, 7.7323)
contains.

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Color

**XYZ(57.7038, 55.8133,
7.7317)**

Conversions

Conversions Part 1

Format	Color
Hex	FCBA00
RGB	252, 186, 0
RGB Percent	99%, 73%, 0%
CMY	0.0118, 0.2706, 0.9999
CMYK	0.00, 0.26, 1.00, 0.01
HSL	44°, 100%, 49%
HSV	44°, 100%, 99%
XYZ	57.7038, 55.8133, 7.7317
YIQ	184.5300, 99.0420, -43.8540

Conversions

Conversions Part 2

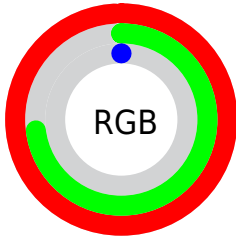
Format	Color
R _Y B	89, 252, 0
Decimal	16562688
CIE Lab	79.51, 11.71, 81.85
CIE LCh	80, 82.681, 81.861
Yxy	55.8133, 0.4759, 0.4603
Android (android.graphics.Color)	4294752768 (0xFFFCBA00)
YUV	184.5300, -90.9733, 59.1712
Hunter-Lab	74.7083, 7.1317, 46.1598

Details

The XYZ color **57.7038, 55.8133, 7.7317** 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 **19.5197, 10.9261, 93.1748**, and the grayscale version is **46.3062, 48.7177, 53.0536**.

A 20% lighter version of the original color is **74.5535, 85.3888, 20.7359**, and **29.6227, 27.7222, 3.7896** is the 20% darker color. If you saturate the color by 10%, you get **57.7039, 55.8139, 7.7318**, and if you desaturate by 10%, it is **59.3055, 58.7327, 9.1430**.

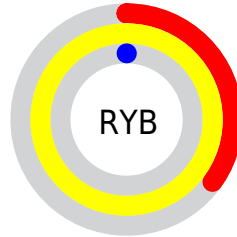
Distribution



Red (99%)

Green (73%)

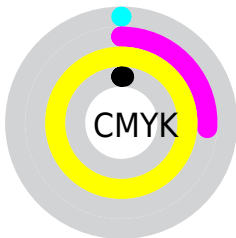
Blue (0%)



Red (35%)

Yellow (99%)

Blue (0%)

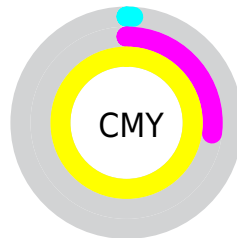


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7038, 55.8133, 7.7317 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 57.7038, 55.8133, 7.7317 by changing the saturation by 10% instead.


 57.7038, 55.8133,
7.7317

 57.7038, 55.8133,
7.7317


406.0530,
408.9875, 183.4675


 41.8129, 40.0533,
3.8385


 100.6168, 98.7315,
21.9682

 29.1453, 27.5801,
1.5371


 128.3697,
126.6585, 33.1485


 19.3356, 18.0093,
0.2454

 160.8073,
159.4100, 47.5949

 12.0185, 10.9567,
0.0000

 198.2949,
197.3702, 65.7260

 6.8285, 6.0377,
0.0000

 241.1979,
240.9237, 87.9602

 3.4005, 2.8680,
0.0000

 289.8817,

 1.3689, 1.0632,

290.4548, 114.7162

0.0000

344.7116,
346.3480, 146.4125

■ 0.2339, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7038, 55.8133,
7.7317

■ 57.7038, 55.8133,
7.7317

■ 57.7039, 55.8139,
7.7318

■ 59.3055, 58.7327,
9.1430

■ 61.2003, 61.8711,
11.7820

■ 63.4605, 65.2611,
16.0202

■ 66.1297, 68.9215,
22.0833

■ 69.2447, 72.8681,
30.1605

■ 72.8374, 77.1151,
40.4173

■ 76.9369, 81.6752,
53.0019

■ 81.5695, 86.5603,
68.0494

■ 86.7596, 91.7811,
85.6848

Harmonies

Analogous

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



75.3380, 55.8133, 13.4631



57.7038, 55.8133, 7.7317



42.0149, 55.8133, 9.2539

Triad

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



57.7038, 55.8133, 7.7317



28.5700, 55.8133, 101.6275



82.3690, 55.8133, 136.6455

Complementary

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



57.7038, 55.8133, 7.7317



19.5197, 10.9261, 93.1748

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.



65.8631, 55.8133, 191.4690



57.7038, 55.8133, 7.7317



35.6565, 55.8133, 164.9459

Square

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



57.7038, 55.8133, 7.7317



27.2814, 55.8133, 48.7112



48.6513, 55.8133, 203.8946



91.3982, 55.8133, 74.6736

Rectangle

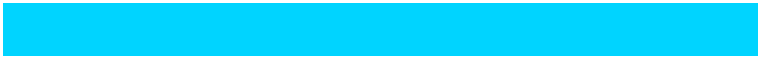
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.7038, 55.8133, 7.7317



34.4499, 55.8133, 14.9116



48.6513, 55.8133, 203.8946



77.3655, 55.8133, 157.6196

Sweetspot

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



57.7050, 55.8161, 7.7328



79.0245, 83.8911, 54.4107



41.1643, 21.1035, 7.2477



16.5204, 17.5246, 10.4149



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.



57.7050, 55.8161, 7.7328



59.2696, 57.3192, 7.9399



56.8545, 80.9845, 12.6356



18.3202, 19.3763, 18.2368



30.1852, 29.3271, 4.0698



2.8818, 2.8884, 0.4056

Inverse Universe

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



19.5197, 10.9261, 93.1748



20.0443, 11.2086, 95.7148



19.3634, 7.9528, 92.6092



16.6526, 17.3821, 21.8627



10.2687, 5.8930, 48.5698



1.0334, 0.7105, 4.5258

Previews

White Background



This preview shows how the XYZ color 57.7038, 55.8133, 7.7317 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 57.7038, 55.8133, 7.7317 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 57.7038, 55.8133, 7.7317

Background



This preview shows how black text looks on a background with the XYZ color 57.7038, 55.8133, 7.7317.



This preview shows how white text looks on a background with the XYZ color 57.7038, 55.8133,

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

57.7038, 55.8133, 7.7317

Protanopia

50.7048, 56.1078, 8.5729

Deuteranopia

57.1947, 55.8646, 7.7685



Tritanopia

65.7350, 55.8985, 54.3386

Trichromacy



Original Color

57.7038, 55.8133, 7.7317

Protanomaly

53.2728, 56.0957, 8.2782

Deuteranomaly

57.5540, 56.0499, 7.7853

Tritanomaly

60.5241, 55.0453, 24.8876

Monochromacy



Original Color

57.7038, 55.8133, 7.7317

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.9135, 49.5612, 24.2332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7038, 55.8133, 7.7317 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(252, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 186, 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(252, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.7038, 55.8133, 7.7317 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(252, 186, 0) }
```


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

```
.border{ border-color:rgb(252, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(252, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 186,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7038, 55.8133, 7.7317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 186, 0) }
```

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

```
.background{ background-color: rgb(252,  
186, 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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