

Converting Colors

XYZ(57.6689, 56.2311, 16.6182)

Have a look what the booklet for
XYZ(57.6689, 56.2311, 16.6182)
contains.

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Color

**XYZ(57.6690, 56.2312,
16.6183)**

Conversions

Conversions Part 1

Format	Color
Hex	F6BC56
RGB	246, 188, 86
RGB Percent	96%, 74%, 34%
CMY	0.0353, 0.2627, 0.6627
CMYK	0.00, 0.24, 0.65, 0.04
HSL	38°, 90%, 65%
HSV	38°, 65%, 96%
XYZ	57.6690, 56.2312, 16.6183
YIQ	193.7140, 67.3100, -19.4260

Conversions

Conversions Part 2

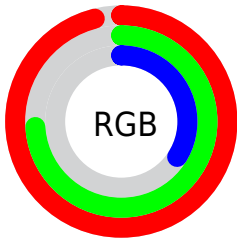
Format	Color
RYB	177, 246, 86
Decimal	16170070
CIELab	79.75, 10.60, 58.20
CIElCh	80, 59.152, 79.682
Yxy	56.2312, 0.4418, 0.4308
Android (android.graphics.Color)	4294360150 (0xFFFF6BC56)
YUV	193.7140, -53.1030, 45.8548
Hunter-Lab	74.9875, 6.0471, 39.3517

Details

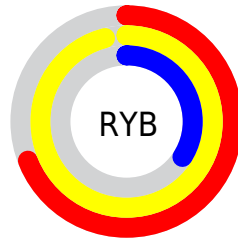
The XYZ color **57.6690, 56.2312, 16.6183** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **30.4451, 28.5775, 91.0997**, and the grayscale version is **51.3865, 54.0626, 58.8742**.

A 20% lighter version of the original color is **78.2509, 87.8254, 37.2538**, and **29.1610, 27.8660, 5.1380** is the 20% darker color. If you saturate the color by 10%, you get **54.9972, 52.2104, 11.6509**, and if you desaturate by 10%, it is **60.8021, 60.6293, 23.4225**.

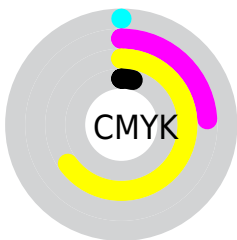
Distribution



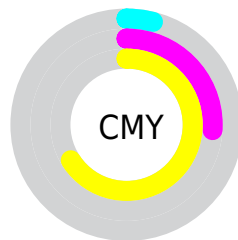
- Red (96%)
- Green (74%)
- Blue (34%)



- Red (69%)
- Yellow (96%)
- Blue (34%)



- Cyan (0%)
- Magenta (24%)
- Yellow (65%)
- Black (4%)





- Cyan (4%)
- Magenta (26%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.6690, 56.2312, 16.6183 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 57.6690, 56.2312, 16.6183 by changing the saturation by 10% instead.


 57.6690, 56.2312,
16.6183


 57.6690, 56.2312,
16.6183


405.9252,
410.5622, 244.9321

 41.7848, 40.3883,
9.8037


 100.5664, 99.3425,
38.4499

 29.1232, 27.8414,
5.1651


 128.3104,
127.3798, 54.3040

 19.3188, 18.2062,
2.2840


 160.7383,
160.2506, 74.0083

 12.0062, 11.0981,
0.7222

 198.2156,
198.3394, 97.9814

 6.8202, 6.1329,
0.0000

241.1076,
242.0306, 126.6417

 3.3952, 2.9260,
0.0000

289.7796,

 1.3660, 1.0932,

291.7085, 160.4080

0.0000

344.5970,
347.7576, 199.6986

■ 0.2318, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.6690, 56.2312,
16.6183

■ 57.6690, 56.2312,
16.6183

■ 54.9972, 52.2104,
11.6509

■ 60.8021, 60.6293,
23.4225

■ 52.7440, 48.5396,
8.3233

■ 64.4261, 65.4132,
32.2270

■ 50.8633, 45.1994,
6.3980

■ 68.5722, 70.6008,
43.1805

■ 50.0347, 43.6505,
5.7883

■ 73.2677, 76.2060,
56.4166

■ 78.5376, 82.2419,
72.0582

■ 84.4053, 88.7210,
90.2191

■ 90.3729, 95.4468,
108.2677

■ 91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



69.7376, 56.2312, 23.5049



57.6690, 56.2312, 16.6183



46.0736, 56.2312, 17.8115

Triad

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



57.6690, 56.2312, 16.6183



34.5961, 56.2312, 86.1761



72.9534, 56.2312, 114.4490

Complementary

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



57.6690, 56.2312, 16.6183



30.4451, 28.5775, 91.0997

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.



61.5658, 56.2312, 146.4592



57.6690, 56.2312, 16.6183



39.9126, 56.2312, 126.3690

Square

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



57.6690, 56.2312, 16.6183



33.8746, 56.2312, 50.1778



49.4345, 56.2312, 151.4896



79.3942, 56.2312, 73.7880

Rectangle

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



57.6690, 56.2312, 16.6183



40.0738, 56.2312, 23.2576



49.4345, 56.2312, 151.4896



69.5043, 56.2312, 127.1324

Sweetspot

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



57.6703, 56.2340, 16.6194



82.2829, 85.9072, 69.3717



46.4191, 28.2829, 29.6667



17.2727, 17.9969, 13.8482



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.



57.6703, 56.2340, 16.6194



58.8704, 55.3748, 11.3398



65.5829, 82.5371, 21.2794



17.3801, 18.2444, 17.4031



26.8447, 23.5750, 3.1356



2.4568, 2.2668, 0.3080

Inverse Universe

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



30.4451, 28.5775, 91.0997



27.4310, 23.5526, 97.7081



26.0663, 16.4565, 88.9909



16.0729, 16.9100, 20.9594



10.9142, 7.6223, 47.4340



1.0533, 0.8580, 4.2003

Previews

White Background



This preview shows how the XYZ color 57.6690, 56.2312, 16.6183 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 57.6690, 56.2312, 16.6183 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 57.6690, 56.2312, 16.6183

Background



This preview shows how black text looks on a background with the XYZ color 57.6690, 56.2312, 16.6183.



This preview shows how white text looks on a background with the XYZ color 57.6690, 56.2312, 16.6183.

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

57.6690, 56.2312, 16.6183

Protanopia

51.5125, 56.3251, 17.6080

Deuteranopia

57.3191, 56.0508, 16.6019



Tritanopia

65.8895, 56.2328, 56.0965

Trichromacy



Original Color

57.6690, 56.2312, 16.6183

Protanomaly

53.3663, 55.9462, 17.2185

Deuteranomaly

57.3191, 56.0508, 16.6019

Tritanomaly

61.9750, 55.8240, 37.2144

Monochromacy



Original Color

57.6690, 56.2312, 16.6183

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

52.2066, 54.2120, 38.7227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.6690, 56.2312, 16.6183 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(246, 188, 86)` looks like.

```
.text, #text, p{  
    color:rgb(246, 188, 86)  
}
```

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(246, 188, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 188, 86) }
```

Border

The CSS property to change the border of an element to XYZ 57.6690, 56.2312, 16.6183 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(246, 188, 86) }
```


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

```
.border{ border-color:rgb(246, 188, 86) }
```

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

Here you see how a box with a 4 pixel rgb(246, 188, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 188, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 188, 86);  
box-shadow:4px 4px 4px 4px rgb(246, 188,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 57.6690, 56.2312, 16.6183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 188, 86) }
```

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

```
.background{ background-color: rgb(246,  
188, 86) }
```

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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