

Converting Colors

XYZ(58.7946, 55.4132, 10.7290)

Have a look what the booklet for
XYZ(58.7946, 55.4132, 10.7290)
contains.

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Color

**XYZ(58.7710, 55.3660,
10.7211)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB733
RGB	255, 183, 51
RGB Percent	100%, 72%, 20%
CMY	0.0000, 0.2823, 0.8000
CMYK	0.00, 0.28, 0.80, 0.00
HSL	39°, 100%, 60%
HSV	39°, 80%, 100%
XYZ	58.7710, 55.3660, 10.7211
YIQ	189.4800, 85.2840, -25.7880

Conversions

Conversions Part 2

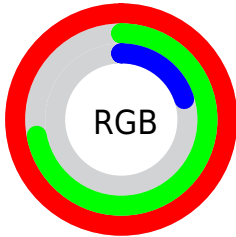
Format	Color
RYB	162, 255, 51
Decimal	16758579
CIELab	79.25, 15.40, 71.87
CIELCh	79, 73.505, 77.905
Yxy	55.3660, 0.4707, 0.4434
Android (android.graphics.Color)	4294948659 (0xFFFFB733)
YUV	189.4800, -68.2706, 57.4610
Hunter-Lab	74.4083, 10.7726, 43.5431

Details

The XYZ color **58.7710, 55.3660, 10.7211** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **26.4979, 22.0890, 97.4740**, and the grayscale version is **48.9916, 51.5429, 56.1303**.

A 20% lighter version of the original color is **74.8133, 84.0757, 26.4725**, and **29.9750, 27.3027, 3.6901** is the 20% darker color. If you saturate the color by 10%, you get **56.5582, 51.6074, 7.9288**, and if you desaturate by 10%, it is **61.4128, 59.4907, 15.1759**.

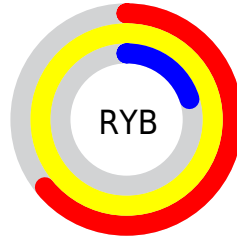
Distribution



Red (100%)

Green (72%)

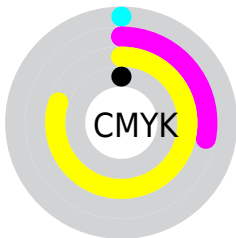
Blue (20%)



Red (64%)

Yellow (100%)

Blue (20%)

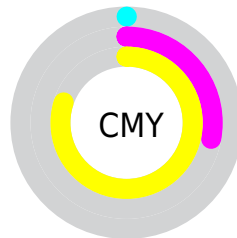


Cyan (0%)

Magenta (28%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (28%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7710, 55.3660, 10.7211 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 58.7710, 55.3660, 10.7211 by changing the saturation by 10% instead.


 58.7710, 55.3660,
10.7211

 58.7710, 55.3660,
10.7211


409.9605,
407.2978, 206.4123


 42.6745, 39.6948,
5.7678


 102.1613, 98.0770,
27.7720


 29.8232, 27.3007,
2.6379


 130.1858,
125.8856, 40.7067


 19.8518, 17.7992,
0.9119


 162.9169,
158.5088, 57.1389

 12.3950, 10.8059,
0.0000

 200.7201,
196.3311, 77.4873

 7.0874, 5.9365,
0.0000

 243.9607,
239.7367, 102.1702

 3.5636, 2.8065,
0.0000

 293.0041,

 1.4584, 1.0316,

289.1101, 131.6063

0.0000

348.2155,
344.8357, 166.2142

■ 0.2972, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7710, 55.3660,
10.7211

■ 58.7710, 55.3660,
10.7211

■ 56.5582, 51.6074,
7.9288

■ 61.4128, 59.4907,
15.1759

■ 54.6964, 48.1732,
6.4157

■ 64.5261, 63.9951,
21.5230

■ 54.6960, 48.1726,
6.4154

■ 68.1512, 68.9009,
29.9588

■ 72.3224, 74.2250,
40.6540

■ 77.0706, 79.9830,
53.7618

■ 82.4241, 86.1894,
69.4215

■ 88.4093, 92.8577,
87.7621

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



73.9358, 55.3660, 17.9598



58.7710, 55.3660, 10.7211



44.4039, 55.3660, 11.4067

Triad

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



58.7710, 55.3660, 10.7211



30.0503, 55.3660, 88.7512



76.5060, 55.3660, 132.4569

Complementary

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



58.7710, 55.3660, 10.7211



26.4979, 22.0890, 97.4740

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.



61.8001, 55.3660, 174.7722



58.7710, 55.3660, 10.7211



35.8596, 55.3660, 142.5054

Square

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



58.7710, 55.3660, 10.7211



29.5429, 55.3660, 44.8640



46.9208, 55.3660, 179.1251



85.3805, 55.3660, 78.8857

Rectangle

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



58.7710, 55.3660, 10.7211



37.0996, 55.3660, 16.3157



46.9208, 55.3660, 179.1251



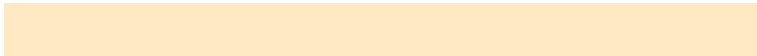
71.9676, 55.3660, 149.3638

Sweetspot

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



58.7723, 55.3688, 10.7222



80.2079, 83.6516, 62.8402



46.1769, 25.1292, 22.0886



16.7633, 17.4343, 12.2721



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.



58.7723, 55.3688, 10.7222



55.4109, 49.5123, 6.9293



68.2888, 88.2197, 16.5614



18.9902, 19.9486, 18.9939



28.7258, 25.4629, 3.4008



2.8998, 2.6850, 0.3654

Inverse Universe

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



26.4979, 22.0890, 97.4740



22.4148, 15.7602, 96.4684



22.3925, 11.2164, 95.5917



17.5274, 18.4264, 22.8828



11.4682, 7.8460, 50.3446



1.2148, 0.9604, 4.9346

Previews

White Background



This preview shows how the XYZ color 58.7710, 55.3660, 10.7211 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 58.7710, 55.3660, 10.7211 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 58.7710, 55.3660, 10.7211

Background



This preview shows how black text looks on a background with the XYZ color 58.7710, 55.3660, 10.7211.



This preview shows how white text looks on a background with the XYZ color 58.7710, 55.3660,

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

58.7710, 55.3660, 10.7211

Protanopia

50.4746, 55.5805, 11.6822

Deuteranopia

56.6825, 55.5366, 10.6379



Tritanopia

65.4329, 55.4651, 53.7115

Trichromacy



Original Color

58.7710, 55.3660, 10.7211

Protanomaly

53.1198, 55.2893, 11.3622

Deuteranomaly

57.5590, 55.6721, 10.7297

Tritanomaly

61.6758, 54.9069, 31.0143

Monochromacy



Original Color

58.7710, 55.3660, 10.7211

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.8711, 51.5509, 31.7479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7710, 55.3660, 10.7211 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(255, 183, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 183, 51)  
}
```

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(255, 183, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 183, 51) }
```

Border

The CSS property to change the border of an element to XYZ 58.7710, 55.3660, 10.7211 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(255, 183, 51) }
```


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

```
.border{ border-color:rgb(255, 183, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 183, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 183, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 183, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 183,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7710, 55.3660, 10.7211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 183, 51) }
```

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

```
.background{ background-color: rgb(255,  
183, 51) }
```

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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