

Converting Colors

XYZ(90.2157, 58.6866, 10.4808)

Have a look what the booklet for
XYZ(90.2157, 58.6866, 10.4808)
contains.

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Color

**XYZ(50.2298, 38.0579,
8.5694)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8439
RGB	255, 132, 57
RGB Percent	100%, 52%, 22%
CMY	0.0000, 0.4823, 0.7765
CMYK	0.00, 0.48, 0.78, 0.00
HSL	23°, 100%, 61%
HSV	23°, 78%, 100%
XYZ	50.2298, 38.0579, 8.5694
YIQ	160.2270, 97.3830, 2.7510

Conversions

Conversions Part 2

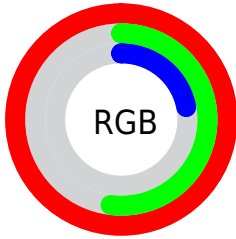
Format	Color
R_{YB}	255, 178, 57
Decimal	16745529
CIE _{Lab}	68.06, 41.90, 59.23
CIE _{LCh}	68, 72.552, 54.721
Yxy	38.0579, 0.5186, 0.3929
Android (android.graphics.Color)	4294935609 (0xFFFF8439)
YUV	160.2270, -50.8909, 83.1159
Hunter-Lab	61.6911, 37.3780, 34.9479

Details

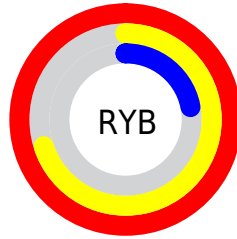
The XYZ color **50.2298, 38.0579, 8.5694** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **36.0574, 40.7299, 100.5684**, and the grayscale version is **33.7157, 35.4715, 38.6285**.

A 20% lighter version of the original color is **61.7706, 57.9048, 22.3891**, and **24.6069, 16.9438, 1.9736** is the 20% darker color. If you saturate the color by 10%, you get **47.7585, 33.8910, 5.3558**, and if you desaturate by 10%, it is **53.3480, 43.0089, 13.5730**.

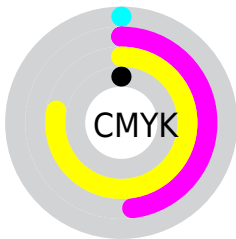
Distribution



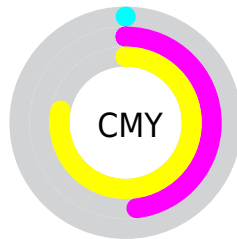
- Red (100%)
- Green (52%)
- Blue (22%)



- Red (100%)
- Yellow (70%)
- Blue (22%)



- Cyan (0%)
- Magenta (48%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2298, 38.0579, 8.5694 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 50.2298, 38.0579, 8.5694 by changing the saturation by 10% instead.


 50.2298, 38.0579,
8.5694


 50.2298, 38.0579,
8.5694


378.0011,
337.8683, 190.2306

 35.8146, 26.0276,
4.3684


 89.7051, 72.1969,
23.6317


 24.4605, 16.8443,
1.8296


 115.4958, 95.0744,
35.3301


 15.8021, 10.1236,
0.4474


 145.8091,
122.3364, 50.3648

 9.4742, 5.4810,
0.0000

 181.0102,
154.3673, 69.1542

 5.1113, 2.5321,
0.0000

 221.4647,
191.5516, 92.1170

 2.3482, 0.8927,
0.0000

 267.5377,

 0.8191, 0.0000,

234.2736, 119.6716

0.0000

319.5947,
282.9177, 152.2366

■ 0.0000, 0.0000,
0.0000

■ 50.2298, 38.0579,
8.5694

■ 50.2298, 38.0579,
8.5694

■ 47.7585, 33.8910,
5.3558

■ 53.3480, 43.0089,
13.5730

■ 45.8613, 30.4504,
3.6327

■ 57.1663, 48.7820,
20.5908

■ 45.4775, 29.7354,
3.3426

■ 61.7343, 55.4195,
29.8159

■ 67.0956, 62.9584,
41.4177

■ 73.2902, 71.4336,
55.5490

80.3550, 80.8775,
72.3498

88.3248, 91.3212,
91.9495

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



59.7178, 38.0579, 20.4821



50.2298, 38.0579, 8.5694



38.2092, 38.0579, 5.2280

Triad

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



50.2298, 38.0579, 8.5694



18.5635, 38.0579, 35.9727



46.0420, 38.0579, 127.5635

Complementary

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



50.2298, 38.0579, 8.5694



36.0574, 40.7299, 100.5684

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.



34.2103, 38.0579, 139.4230



50.2298, 38.0579, 8.5694



19.8077, 38.0579, 73.2910

Square

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



50.2298, 38.0579, 8.5694



21.1761, 38.0579, 14.8870



25.0186, 38.0579, 115.8269



56.9686, 38.0579, 88.7723

Rectangle

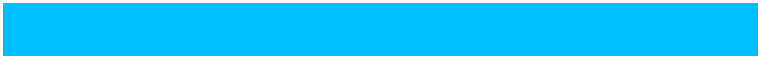
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2298, 38.0579, 8.5694



30.9276, 38.0579, 5.6884



25.0186, 38.0579, 115.8269



41.9801, 38.0579, 135.4671

Sweetspot

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



50.2307, 38.0600, 8.5701



76.4626, 75.6993, 63.0151



51.1879, 27.5803, 47.0989



15.8347, 15.4890, 12.2345



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.



50.2307, 38.0600, 8.5701



46.6776, 31.9625, 4.2751



69.8870, 77.3727, 15.1222



18.5733, 19.1147, 18.8549



23.8953, 15.8019, 1.7906



2.4279, 1.7411, 0.2081

Inverse Universe

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



36.0574, 40.7299, 100.5684



31.7811, 34.3161, 99.5564



22.8615, 14.3381, 96.1698



17.9429, 19.2575, 23.0213



16.0046, 16.9188, 51.8567



1.6637, 1.8581, 5.0842

Previews

White Background



This preview shows how the XYZ color 50.2298, 38.0579, 8.5694 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 50.2298, 38.0579, 8.5694 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 50.2298, 38.0579, 8.5694

Background



This preview shows how black text looks on a background with the XYZ color 50.2298, 38.0579, 8.5694.



This preview shows how white text looks on a background with the XYZ color 50.2298, 38.0579,

8.5694.

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

50.2298, 38.0579, 8.5694

Protanopia

34.8394, 38.3570, 10.8776

Deuteranopia

39.0757, 38.2308, 8.2255



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

50.2298, 38.0579, 8.5694

Protanomaly

39.0311, 37.1717, 9.8203

Deuteranomaly

42.7313, 37.9116, 8.3143

Tritanomaly

51.7441, 38.0221, 18.5217

Monochromacy



Original Color

50.2298, 38.0579, 8.5694

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.9872, 34.8449, 23.5152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2298, 38.0579, 8.5694 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, 132, 57)` looks like.

```
.text, #text, p{  
  color:rgb(255, 132, 57)  
}
```

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, 132, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 57) }
```

Border

The CSS property to change the border of an element to XYZ 50.2298, 38.0579, 8.5694 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, 132, 57) }
```


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

```
.border{ border-color:rgb(255, 132, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 132, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2298, 38.0579, 8.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 57) }
```

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

```
.background{ background-color: rgb(255,  
132, 57) }
```

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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