

Converting Colors

XYZ(49.8466, 38.4285, 4.9367)

Have a look what the booklet for
XYZ(49.8466, 38.4285, 4.9367)
contains.

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Color

**XYZ(49.7925, 38.3212,
4.9160)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8605
RGB	255, 134, 5
RGB Percent	100%, 53%, 2%
CMY	0.0000, 0.4745, 0.9803
CMYK	0.00, 0.47, 0.98, 0.00
HSL	31°, 100%, 51%
HSV	31°, 98%, 100%
XYZ	49.7925, 38.3212, 4.9160
YIQ	155.4730, 113.5250, -14.4670

Conversions

Conversions Part 2

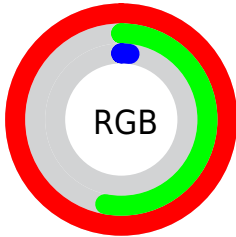
Format	Color
R _Y B	239, 255, 5
Decimal	16745989
CIE Lab	68.26, 39.89, 74.05
CIE LCh	68, 84.115, 61.689
Yxy	38.3212, 0.5352, 0.4119
Android (android.graphics.Color)	4294936069 (0xFFFF8605)
YUV	155.4730, -74.1832, 87.2852
Hunter-Lab	61.9041, 35.2440, 38.6245

Details

The XYZ color **49.7925, 38.3212, 4.9160** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **25.5738, 22.1747, 97.5392**, and the grayscale version is **31.6513, 33.2996, 36.2632**.

A 20% lighter version of the original color is **60.5277, 57.7482, 14.7938**, and **24.5032, 17.1110, 2.0113** is the 20% darker color. If you saturate the color by 10%, you get **49.4344, 37.6493, 4.6616**, and if you desaturate by 10%, it is **51.8135, 42.0220, 6.6430**.

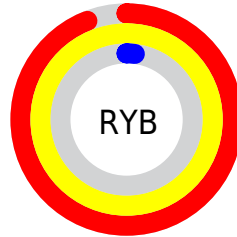
Distribution



Red (100%)

Green (53%)

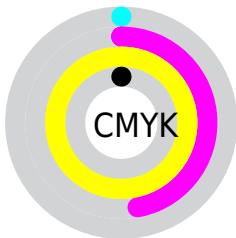
Blue (2%)



Red (94%)

Yellow (100%)

Blue (2%)

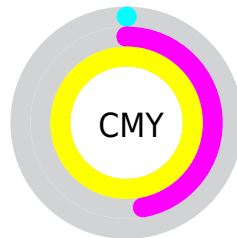


Cyan (0%)

Magenta (47%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7925, 38.3212, 4.9160 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 49.7925, 38.3212, 4.9160 by changing the saturation by 10% instead.


 49.7925, 38.3212,
4.9160


 49.7925, 38.3212,
4.9160


376.3194,
338.9958, 157.9194


 35.4657, 26.2321,
2.1402


 89.0610, 72.6002,
16.0726

 24.1900, 16.9973,
0.6395


 114.7334, 95.5588,
25.2904

 15.6001, 10.2326,
0.0000


 144.9184,
122.9095, 37.4927

 9.3307, 5.5534,
0.0000

 179.9813,
155.0364, 53.0980

 5.0163, 2.5755,
0.0000

 220.2875,
192.3242, 72.5247


 2.2917, 0.9144,
0.0000

 266.2023,


 0.7904, 0.0000,


235.1570, 96.1915


0.0000


 318.0912,
283.9195, 124.5169


 0.0000, 0.0000,
0.0000


 49.7925, 38.3212,
4.9160


 49.7925, 38.3212,
4.9160


 49.4344, 37.6493,
4.6616

 51.8135, 42.0220,
6.6430

 54.2989, 46.2358,
9.8054

 57.3133, 51.0000,
14.7088

 60.9050, 56.3434,
21.5785

 65.1156, 62.2919,
30.6054

69.9822, 68.8690,
41.9575

75.5385, 76.0966,
55.7861

81.8154, 83.9954,
72.2295

88.8420, 92.5849,
91.4157

Harmonies

Analogous

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



62.4810, 38.3212, 14.0579



49.7925, 38.3212, 4.9160



35.6825, 38.3212, 3.1185

Triad

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



49.7925, 38.3212, 4.9160



16.5307, 38.3212, 43.8977



51.4005, 38.3212, 138.7776

Complementary

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



49.7925, 38.3212, 4.9160



25.5738, 22.1747, 97.5392

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.



37.1740, 38.3212, 164.1950



49.7925, 38.3212, 4.9160



18.8535, 38.3212, 92.5541

Square

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



49.7925, 38.3212, 4.9160



18.3768, 38.3212, 15.9262



25.6907, 38.3212, 143.5910



63.5558, 38.3212, 86.4037

Rectangle

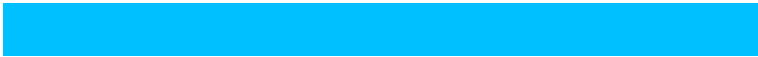
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7925, 38.3212, 4.9160



27.8480, 38.3212, 4.1136



25.6907, 38.3212, 143.5910



46.5994, 38.3212, 151.8091

Sweetspot

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



49.7933, 38.3233, 4.9167



74.9717, 75.3705, 54.3395



45.3237, 22.9805, 23.1679



15.5275, 15.4610, 10.3242



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.



49.7933, 38.3233, 4.9167



49.4348, 37.6497, 4.6616



77.0268, 92.7902, 13.9945



18.7846, 19.5375, 18.9254



25.9811, 19.9733, 2.4859



2.6391, 2.1636, 0.2785

Inverse Universe

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



25.5738, 22.1747, 97.5392



25.1848, 21.4896, 97.4283



18.1670, 7.3611, 95.0702



17.7286, 18.8288, 22.9499



13.3076, 11.5248, 50.9577



1.4045, 1.3397, 4.9978

Previews

White Background



This preview shows how the XYZ color 49.7925, 38.3212, 4.9160 looks on a white background.

Color Contrast Check

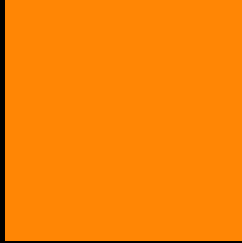
Large Text (above 18pt) WCAG AA × Fail

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 49.7925, 38.3212, 4.9160 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 49.7925, 38.3212, 4.9160

Background



This preview shows how black text looks on a background with the XYZ color 49.7925, 38.3212, 4.9160.



This preview shows how white text looks on a background with the XYZ color 49.7925, 38.3212,

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

49.7925, 38.3212, 4.9160

Protanopia

34.7026, 38.3867, 6.3394

Deuteranopia

39.0908, 38.3026, 5.3328



Tritanopia

53.4031, 38.4759, 27.9045

Trichromacy



Original Color

49.7925, 38.3212, 4.9160

Protanomaly

38.9662, 37.4771, 5.6703

Deuteranomaly

42.4370, 37.8302, 5.1227

Tritanomaly

50.9841, 37.9298, 13.8666

Monochromacy



Original Color

49.7925, 38.3212, 4.9160

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.2198, 32.8639, 16.5964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7925, 38.3212, 4.9160 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, 134, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 5)  
}
```

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, 134, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 5) }
```

Border

The CSS property to change the border of an element to XYZ 49.7925, 38.3212, 4.9160 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, 134, 5) }
```


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

```
.border{ border-color:rgb(255, 134, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7925, 38.3212, 4.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 5) }
```

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

```
.background{ background-color: rgb(255,  
134, 5) }
```

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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