

Converting Colors

XYZ(49.3108, 38.7850, 4.8873)

Have a look what the booklet for
XYZ(49.3108, 38.7850, 4.8873)
contains.

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Color

**XYZ(49.0905, 38.5868,
4.8606)**

Conversions

Conversions Part 1

Format	Color
Hex	FC8900
RGB	252, 137, 0
RGB Percent	99%, 54%, 0%
CMY	0.0118, 0.4627, 1.0000
CMYK	0.00, 0.46, 1.00, 0.01
HSL	33°, 100%, 49%
HSV	33°, 100%, 99%
XYZ	49.0905, 38.5868, 4.8606
YIQ	155.7670, 112.5170, -18.2270

Conversions

Conversions Part 2

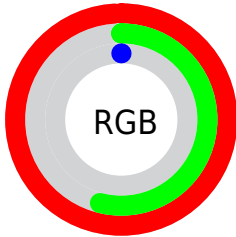
Format	Color
R_{YB}	212, 252, 0
Decimal	16550144
CIE Lab	68.45, 37.15, 74.66
CIE LCh	68, 83.391, 63.543
Yxy	38.5868, 0.5305, 0.4170
Android (android.graphics.Color)	4294740224 (0xFFFC8900)
YUV	155.7670, -76.7931, 84.3963
Hunter-Lab	62.1183, 32.3571, 38.8435

Details

The XYZ color **49.0905, 38.5868, 4.8606** 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 **23.7014, 19.2898, 94.5686**, and the grayscale version is **31.7941, 33.4499, 36.4269**.

A 20% lighter version of the original color is **61.1068, 59.0160, 14.6491**, and **23.9875, 17.1884, 2.0534** is the 20% darker color. If you saturate the color by 10%, you get **49.0907, 38.5876, 4.8608**, and if you desaturate by 10%, it is **50.9919, 42.1057, 6.3712**.

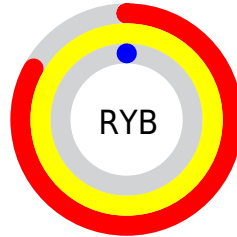
Distribution



Red (99%)

Green (54%)

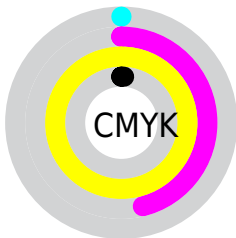
Blue (0%)



Red (83%)

Yellow (99%)

Blue (0%)

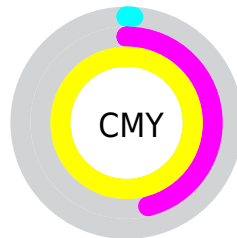


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (46%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0905, 38.5868, 4.8606 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 49.0905, 38.5868, 4.8606 by changing the saturation by 10% instead.

49.0905, 38.5868,
4.8606

49.0905, 38.5868,
4.8606

373.6095,
340.1305, 157.3581

34.9061, 26.4384,
2.1084

88.0258, 73.0067,
15.9504

23.7567, 17.1519,
0.6208

113.5073, 96.0470,
25.1251

15.2770, 10.3429,
0.0000

143.4854,
123.4867, 37.2777

9.1016, 5.6269,
0.0000

178.3252,
155.7102, 52.8267

4.8652, 2.6196,
0.0000

218.3922,
193.1020, 72.1907

2.2023, 0.9365,
0.0000

264.0516,


0.7440, 0.0000,


236.0464, 95.7883


0.0000


 315.6690,
284.9277, 124.0379


 0.0000, 0.0000,
0.0000


 49.0905, 38.5868,
4.8606

 49.0905, 38.5868,
4.8606


 49.0907, 38.5876,
4.8608

 50.9919, 42.1057,
6.3712

 53.3011, 46.0732,
9.1478

 56.0942, 50.5292,
13.5631

 59.4188, 55.5006,
19.8439

 63.3155, 61.0109,
28.1809

67.8199, 67.0815,
38.7407

72.9646, 73.7323,
51.6727

78.7793, 80.9819,
67.1134

85.2918, 88.8479,
85.1885

Harmonies

Analogous

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



61.9504, 38.5868, 13.4179



49.0905, 38.5868, 4.8606



35.1398, 38.5868, 3.3028

Triad

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



49.0905, 38.5868, 4.8606



16.8319, 38.5868, 46.6354



52.4408, 38.5868, 135.4699

Complementary

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



49.0905, 38.5868, 4.8606



23.7014, 19.2898, 94.5686

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.



38.2555, 38.5868, 163.0962



49.0905, 38.5868, 4.8606



19.4233, 38.5868, 95.8573

Square

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



49.0905, 38.5868, 4.8606



18.4214, 38.5868, 17.3615



26.5530, 38.5868, 145.4417



64.1861, 38.5868, 83.0799

Rectangle

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



49.0905, 38.5868, 4.8606



27.5007, 38.5868, 4.5015



26.5530, 38.5868, 145.4417



47.6931, 38.5868, 149.0206

Sweetspot

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



49.0913, 38.5889, 4.8613



74.9432, 75.7285, 53.0503



43.3911, 21.9941, 18.9749



15.5462, 15.5763, 10.0902



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.



49.0913, 38.5889, 4.8613



50.4199, 39.6198, 4.9900



71.9794, 88.7816, 13.3431



18.0266, 18.7890, 18.1389



25.7215, 20.3997, 2.5819



2.4883, 2.1014, 0.2745

Inverse Universe

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



23.7014, 19.2898, 94.5686



24.3375, 19.7950, 97.1458



17.6759, 7.0827, 92.5300



16.9355, 17.9479, 21.9570



12.4893, 10.3342, 49.3100



1.2612, 1.1662, 4.6018

Previews

White Background



This preview shows how the XYZ color 49.0905, 38.5868, 4.8606 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 49.0905, 38.5868, 4.8606 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 49.0905, 38.5868, 4.8606

Background



This preview shows how black text looks on a background with the XYZ color 49.0905, 38.5868, 4.8606.



This preview shows how white text looks on a background with the XYZ color 49.0905, 38.5868,

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

49.0905, 38.5868, 4.8606

Protanopia

35.1243, 38.8782, 6.3625

Deuteranopia

39.2621, 38.6452, 5.3899



Tritanopia

53.4745, 38.5045, 28.2806

Trichromacy



Original Color

49.0905, 38.5868, 4.8606

Protanomaly

39.2810, 38.1400, 5.6722

Deuteranomaly

42.4306, 38.3020, 5.1567

Tritanomaly

50.7096, 37.9915, 13.6772

Monochromacy



Original Color

49.0905, 38.5868, 4.8606

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.4854, 33.4721, 16.4476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0905, 38.5868, 4.8606 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, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 137, 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, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 137, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.0905, 38.5868, 4.8606 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, 137, 0) }
```


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

```
.border{ border-color:rgb(252, 137, 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, 137, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 137,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0905, 38.5868, 4.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 137, 0) }
```

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

```
.background{ background-color: rgb(252,  
137, 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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