

Converting Colors

XYZ(50.0857, 38.9559, 4.8946)

Have a look what the booklet for
XYZ(50.0857, 38.9559, 4.8946)
contains.

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Color

**XYZ(50.0496, 38.8705,
4.8936)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8801
RGB	255, 136, 1
RGB Percent	100%, 53%, 0%
CMY	0.0000, 0.4666, 0.9960
CMYK	0.00, 0.47, 1.00, 0.00
HSL	32°, 100%, 50%
HSV	32°, 100%, 100%
XYZ	50.0496, 38.8705, 4.8936
YIQ	156.1910, 114.2590, -16.7570

Conversions

Conversions Part 2

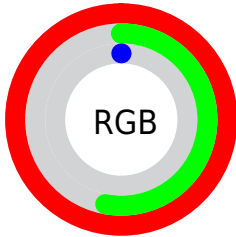
Format	Color
R_{YB}	225, 255, 1
Decimal	16746497
CIE Lab	68.66, 38.86, 74.85
CIE LCh	69, 84.338, 62.565
Yxy	38.8705, 0.5335, 0.4143
Android (android.graphics.Color)	4294936577 (0xFFFF8801)
YUV	156.1910, -76.5092, 86.6555
Hunter-Lab	62.3462, 34.1884, 38.9886

Details

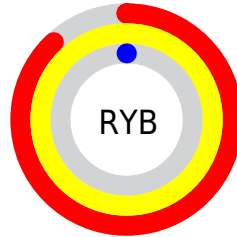
The XYZ color **50.0496, 38.8705, 4.8936** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.7793, 20.6601, 97.2886**, and the grayscale version is **31.9826, 33.6482, 36.6428**.

A 20% lighter version of the original color is **60.8895, 58.5813, 14.5767**, and **24.6562, 17.4170, 2.0623** is the 20% darker color. If you saturate the color by 10%, you get **49.9783, 38.7371, 4.8429**, and if you desaturate by 10%, it is **52.0146, 42.5022, 6.4698**.

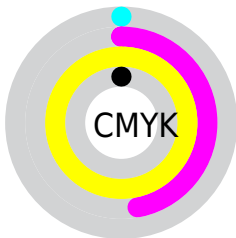
Distribution



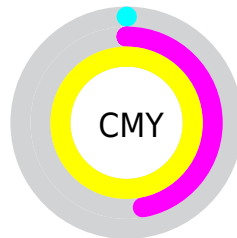
- Red (100%)
- Green (53%)
- Blue (0%)



- Red (88%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0496, 38.8705, 4.8936 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 50.0496, 38.8705, 4.8936 by changing the saturation by 10% instead.


 50.0496, 38.8705,
4.8936


 50.0496, 38.8705,
4.8936


377.3087,
341.3396, 157.6928

 35.6708, 26.6590,
2.1273


 89.4397, 73.4404,
16.0232

 24.3490, 17.3173,
0.6320


 115.1818, 96.5677,
25.2236

 15.7188, 10.4610,
0.0000


 145.4422,
124.1023, 37.4059

 9.4150, 5.7056,
0.0000

 180.5865,
156.4286, 52.9884

 5.0721, 2.6669,
0.0000

 220.9799,
193.9312, 72.3899


 2.3248, 0.9604,
0.0000

 266.9878,


 0.8073, 0.0000,


236.9942, 96.0287


0.0000


 318.9756,
286.0022, 124.3235


 0.0000, 0.0000,
0.0000


 50.0496, 38.8705,
4.8936


 50.0496, 38.8705,
4.8936


 49.9783, 38.7371,
4.8429

 52.0146, 42.5022,
6.4698

 54.4134, 46.6152,
9.3799

 57.3208, 51.2499,
13.9874

 60.7861, 56.4348,
20.5242

 64.8511, 62.1947,
29.1858

69.5529, 68.5526,
40.1429

74.9252, 75.5294,
53.5491

80.9989, 83.1452,
69.5442

87.8028, 91.4185,
88.2575

Harmonies

Analogous

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



63.0132, 38.8705, 13.8427



50.0496, 38.8705, 4.8936



35.8107, 38.8705, 3.1980

Triad

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



50.0496, 38.8705, 4.8936



16.8081, 38.8705, 45.6920



52.5201, 38.8705, 139.1513

Complementary

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



50.0496, 38.8705, 4.8936



24.7793, 20.6601, 97.2886

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.



38.1035, 38.8705, 166.0613



50.0496, 38.8705, 4.8936



19.2881, 38.8705, 95.3669

Square

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



50.0496, 38.8705, 4.8936



18.5543, 38.8705, 16.7213



26.3547, 38.8705, 146.5374



64.6638, 38.8705, 85.9235

Rectangle

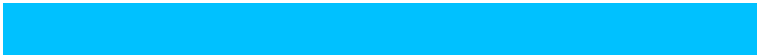
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0496, 38.8705, 4.8936



27.9613, 38.8705, 4.2945



26.3547, 38.8705, 146.5374



47.6728, 38.8705, 152.6506

Sweetspot

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



50.0504, 38.8726, 4.8943



74.6996, 75.2412, 52.9691



44.8743, 22.7312, 21.0158



15.4885, 15.4609, 10.0710



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.



50.0504, 38.8726, 4.8943



49.9787, 38.7375, 4.8429



75.4646, 91.9873, 13.8070



18.8088, 19.5857, 18.9334



26.2659, 20.5431, 2.5808



2.6668, 2.2190, 0.2878

Inverse Universe

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



24.7793, 20.6601, 97.2886



24.7024, 20.5247, 97.2675



18.1265, 7.2757, 95.0558



17.7046, 18.7809, 22.9419



13.0540, 11.0175, 50.8732



1.3792, 1.2891, 4.9894

Previews

White Background



This preview shows how the XYZ color 50.0496, 38.8705, 4.8936 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 50.0496, 38.8705, 4.8936 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 50.0496, 38.8705, 4.8936

Background



This preview shows how black text looks on a background with the XYZ color 50.0496, 38.8705, 4.8936.



This preview shows how white text looks on a background with the XYZ color 50.0496, 38.8705,

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

50.0496, 38.8705, 4.8936

Protanopia

35.1243, 38.8782, 6.3625

Deuteranopia

39.5495, 38.7933, 5.4034



Tritanopia

53.6777, 38.7955, 28.7039

Trichromacy



Original Color

50.0496, 38.8705, 4.8936

Protanomaly

39.4083, 37.9548, 5.6644

Deuteranomaly

43.0615, 38.6272, 5.1862

Tritanomaly

51.2527, 38.4671, 13.9561

Monochromacy



Original Color

50.0496, 38.8705, 4.8936

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.7859, 33.6215, 16.7128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0496, 38.8705, 4.8936 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, 136, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 1)  
}
```

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, 136, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 1) }
```

Border

The CSS property to change the border of an element to XYZ 50.0496, 38.8705, 4.8936 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, 136, 1) }
```


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

```
.border{ border-color:rgb(255, 136, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0496, 38.8705, 4.8936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 1) }
```

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

```
.background{ background-color: rgb(255,  
136, 1) }
```

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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