

Converting Colors

XYZ(50.0284, 38.8368, 4.8595)

Have a look what the booklet for
XYZ(50.0284, 38.8368, 4.8595)
contains.

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Color

**XYZ(50.0442, 38.8683,
4.8647)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8800
RGB	255, 136, 0
RGB Percent	100%, 53%, 0%
CMY	0.0000, 0.4666, 1.0000
CMYK	0.00, 0.47, 1.00, 0.00
HSL	32°, 100%, 50%
HSV	32°, 100%, 100%
XYZ	50.0442, 38.8683, 4.8647
YIQ	156.0770, 114.5800, -17.0680

Conversions

Conversions Part 2

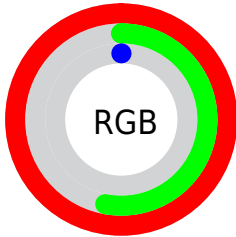
Format	Color
R _Y B	223, 255, 0
Decimal	16746496
CIE Lab	68.66, 38.85, 74.99
CIE LCh	69, 84.457, 62.612
Yxy	38.8683, 0.5336, 0.4145
Android (android.graphics.Color)	4294936576 (0xFFFF8800)
YUV	156.0770, -76.9460, 86.7555
Hunter-Lab	62.3444, 34.1801, 39.0147

Details

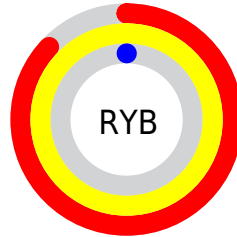
The XYZ color **50.0442, 38.8683, 4.8647** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **24.6471, 20.4141, 97.2484**, and the grayscale version is **31.9331, 33.5961, 36.5861**.

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 **50.0443, 38.8690, 4.8648**, and if you desaturate by 10%, it is **51.9961, 42.4831, 6.4084**.

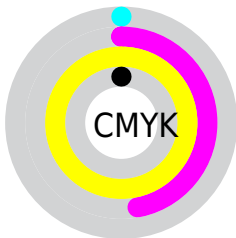
Distribution



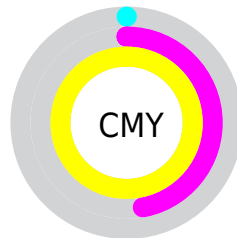
- Red (100%)
- Green (53%)
- Blue (0%)



- Red (87%)
- 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 50.0442, 38.8683, 4.8647 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 50.0442, 38.8683, 4.8647 by changing the saturation by 10% instead.


 50.0442, 38.8683,
4.8647


 50.0442, 38.8683,
4.8647


377.2879,
341.3302, 157.3998


 35.6665, 26.6573,
2.1107


 89.4318, 73.4371,
15.9595


 24.3456, 17.3160,
0.6222


 115.1724, 96.5636,
25.1373

 15.7163, 10.4601,
0.0000


 145.4312,
124.0975, 37.2936

 9.4132, 5.7050,
0.0000

 180.5738,
156.4231, 52.8468

 5.0709, 2.6666,
0.0000

 220.9654,
193.9247, 72.2155


 2.3241, 0.9602,
0.0000


 266.9714,


 0.8070, 0.0000,


236.9869, 95.8182


0.0000


 318.9571,
285.9939, 124.0734


 0.0000, 0.0000,
0.0000


 50.0442, 38.8683,
4.8647


 50.0442, 38.8683,
4.8647


 50.0443, 38.8690,
4.8648

 51.9961, 42.4831,
6.4084

 54.3749, 46.5737,
9.2569

 57.2588, 51.1823,
13.7922

 60.6973, 56.3370,
20.2480

 64.7325, 62.0629,
28.8210

69.4015, 68.3825,
39.6826

74.7381, 75.3172,
52.9870

80.7733, 82.8865,
68.8744

87.5358, 91.1093,
87.4747

Harmonies

Analogous

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



63.0371, 38.8683, 13.7908



50.0442, 38.8683, 4.8647



35.7862, 38.8683, 3.1797

Triad

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



50.0442, 38.8683, 4.8647



16.7861, 38.8683, 45.7585



52.5647, 38.8683, 139.2656

Complementary

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



50.0442, 38.8683, 4.8647



24.6471, 20.4141, 97.2484

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.



38.1247, 38.8683, 166.3049



50.0442, 38.8683, 4.8647



19.2745, 38.8683, 95.5467

Square

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



50.0442, 38.8683, 4.8647



18.5266, 38.8683, 16.7236



26.3548, 38.8683, 146.8058



64.7215, 38.8683, 85.9090

Rectangle

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



50.0442, 38.8683, 4.8647



27.9318, 38.8683, 4.2784



26.3548, 38.8683, 146.8058



47.7100, 38.8683, 152.8138

Sweetspot

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



50.0450, 38.8704, 4.8654



74.7363, 75.3147, 52.9813



44.5699, 22.5921, 19.4660



15.4972, 15.4783, 10.0739



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.



50.0450, 38.8704, 4.8654



50.0446, 38.8693, 4.8649



73.9414, 91.2029, 13.7071



18.8116, 19.5914, 18.9344



26.3004, 20.6120, 2.5923



2.6702, 2.2257, 0.2889

Inverse Universe

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



24.6471, 20.4141, 97.2484



24.6464, 20.4129, 97.2488



18.1565, 7.2751, 95.0544



17.7018, 18.7752, 22.9409



13.0245, 10.9586, 50.8633



1.3763, 1.2832, 4.9884

Previews

White Background



This preview shows how the XYZ color 50.0442, 38.8683, 4.8647 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 50.0442, 38.8683, 4.8647 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 50.0442, 38.8683, 4.8647

Background



This preview shows how black text looks on a background with the XYZ color 50.0442, 38.8683, 4.8647.



This preview shows how white text looks on a background with the XYZ color 50.0442, 38.8683,

4.8647.

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

50.0442, 38.8683, 4.8647

Protanopia

35.1243, 38.8782, 6.3625

Deuteranopia

39.5495, 38.7933, 5.4034



Tritanopia

53.6777, 38.7955, 28.7039

Trichromacy



Original Color

50.0442, 38.8683, 4.8647

Protanomaly

39.4017, 37.9521, 5.6296

Deuteranomaly

43.0615, 38.6272, 5.1862

Tritanomaly

51.2527, 38.4671, 13.9561

Monochromacy



Original Color

50.0442, 38.8683, 4.8647

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

34.7378, 33.6022, 16.4594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0442, 38.8683, 4.8647 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 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(255, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.0442, 38.8683, 4.8647 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, 0) }
```


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

```
.border{ border-color:rgb(255, 136, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0442, 38.8683, 4.8647 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, 0) }
```

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

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