

Converting Colors

XYZ(50.0616, 38.4440, 6.2862)

Have a look what the booklet for
XYZ(50.0616, 38.4440, 6.2862)
contains.

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Color

**XYZ(50.0538, 38.4257,
6.2921)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8622
RGB	255, 134, 34
RGB Percent	100%, 53%, 13%
CMY	0.0000, 0.4745, 0.8667
CMYK	0.00, 0.47, 0.87, 0.00
HSL	27°, 100%, 57%
HSV	27°, 87%, 100%
XYZ	50.0538, 38.4257, 6.2921
YIQ	158.7790, 104.2160, -5.4480

Conversions

Conversions Part 2

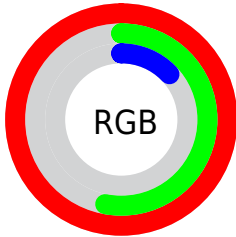
Format	Color
R _Y B	255, 217, 34
Decimal	16746018
CIE Lab	68.33, 40.27, 68.08
CIE LCh	68, 79.096, 59.397
Yxy	38.4257, 0.5282, 0.4055
Android (android.graphics.Color)	4294936098 (0xFFFF8622)
YUV	158.7790, -61.5160, 84.3858
Hunter-Lab	61.9885, 35.6535, 37.3737

Details

The XYZ color **50.0538, 38.4257, 6.2921** 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 **30.4300, 31.0009, 98.9868**, and the grayscale version is **33.0938, 34.8172, 37.9160**.

A 20% lighter version of the original color is **61.2831, 58.3934, 17.7139**, and **24.5032, 17.1110, 2.0113** is the 20% darker color. If you saturate the color by 10%, you get **48.0084, 34.7228, 4.4160**, and if you desaturate by 10%, it is **52.6272, 42.7509, 9.6844**.

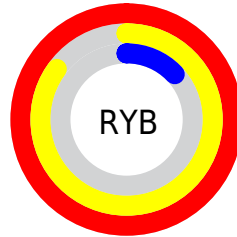
Distribution



Red (100%)

Green (53%)

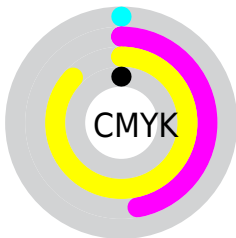
Blue (13%)



Red (100%)

Yellow (85%)

Blue (13%)

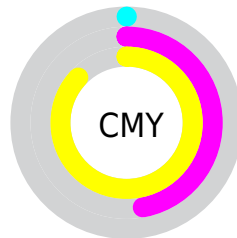


Cyan (0%)

Magenta (47%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0538, 38.4257, 6.2921 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 50.0538, 38.4257, 6.2921 by changing the saturation by 10% instead.


 50.0538, 38.4257,
6.2921


 50.0538, 38.4257,
6.2921


377.3248,
339.4426, 171.0461

 35.6741, 26.3133,
2.9519


 89.4459, 72.7602,
19.0223


 24.3516, 17.0581,
1.0701


 115.1891, 95.7510,
29.2493

 15.7208, 10.2759,
0.0000


 145.4508,
123.1367, 42.6089

 9.4164, 5.5823,
0.0000

 180.5964,
155.3017, 59.5198

 5.0730, 2.5928,
0.0000

 220.9912,
192.6304, 80.4004

 2.3254, 0.9230,
0.0000

 267.0007,

 0.8076, 0.0000,

235.5072, 105.6693

0.0000

318.9901,
284.3164, 135.7450

■ 0.0000, 0.0000,
0.0000

■ 50.0538, 38.4257,
6.2921

■ 50.0538, 38.4257,
6.2921

■ 48.0084, 34.7228,
4.4160

■ 52.6272, 42.7509,
9.6844

■ 47.4152, 33.6109,
3.9885

■ 55.7874, 47.7316,
14.8678

■ 59.5854, 53.4043,
22.0634

■ 64.0650, 59.7999,
31.4596

■ 69.2653, 66.9471,
43.2226

75.2220, 74.8726,
57.5025

81.9684, 83.6018,
74.4369

89.5354, 93.1584,
94.1533

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



61.4803, 38.4257, 16.4765



50.0538, 38.4257, 6.2921



36.7740, 38.4257, 3.9684

Triad

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



50.0538, 38.4257, 6.2921



17.4936, 38.4257, 41.1245



49.5194, 38.4257, 133.9739

Complementary

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



50.0538, 38.4257, 6.2921



30.4300, 31.0009, 98.9868

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.



36.2721, 38.4257, 153.9865



50.0538, 38.4257, 6.2921



19.4401, 38.4257, 85.0999

Square

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



50.0538, 38.4257, 6.2921



19.6054, 38.4257, 15.8167



25.6801, 38.4257, 132.4186



61.1259, 38.4257, 87.1139

Rectangle

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



50.0538, 38.4257, 6.2921



29.1630, 38.4257, 4.8293



25.6801, 38.4257, 132.4186



45.0263, 38.4257, 144.9404

Sweetspot

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



50.0546, 38.4278, 6.2928



75.6466, 75.4288, 58.5458



47.7745, 24.7892, 33.5203



15.7272, 15.5341, 11.3966



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.



50.0546, 38.4278, 6.2928



47.4156, 33.6112, 3.9885



73.8638, 86.0461, 14.2292



18.6863, 19.3408, 18.8926



24.9202, 17.8516, 2.1323



2.5338, 1.9529, 0.2434

Inverse Universe

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



30.4300, 31.0009, 98.9868



27.3708, 25.8617, 98.1569



19.6501, 9.4409, 95.3935



17.8273, 19.0262, 22.9828



14.4532, 13.8159, 51.3396



1.5165, 1.5636, 5.0352

Previews

White Background



This preview shows how the XYZ color 50.0538, 38.4257, 6.2921 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 50.0538, 38.4257, 6.2921 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 50.0538, 38.4257, 6.2921

Background



This preview shows how black text looks on a background with the XYZ color 50.0538, 38.4257, 6.2921.



This preview shows how white text looks on a background with the XYZ color 50.0538, 38.4257,

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

50.0538, 38.4257, 6.2921

Protanopia

34.9938, 38.5032, 7.8730

Deuteranopia

39.1844, 38.3400, 5.8253



Tritanopia

53.4031, 38.4759, 27.9045

Trichromacy



Original Color

50.0538, 38.4257, 6.2921

Protanomaly

39.2557, 37.5929, 7.1946

Deuteranomaly

42.5807, 37.8876, 5.8794

Tritanomaly

51.4748, 38.1261, 16.4504

Monochromacy



Original Color

50.0538, 38.4257, 6.2921

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.1917, 34.4969, 20.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0538, 38.4257, 6.2921 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 34) }
```

Border

The CSS property to change the border of an element to XYZ 50.0538, 38.4257, 6.2921 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, 34) }
```


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

```
.border{ border-color:rgb(255, 134, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0538, 38.4257, 6.2921 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, 34) }
```

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

```
.background{ background-color: rgb(255,  
134, 34) }
```

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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