

Converting Colors

XYZ(50.4103, 38.7509, 7.6065)

Have a look what the booklet for
XYZ(50.4103, 38.7509, 7.6065)
contains.

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Color

**XYZ(50.4375, 38.8013,
7.6274)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8730
RGB	255, 135, 48
RGB Percent	100%, 53%, 19%
CMY	0.0000, 0.4706, 0.8118
CMYK	0.00, 0.47, 0.81, 0.00
HSL	25°, 100%, 59%
HSV	25°, 81%, 100%
XYZ	50.4375, 38.8013, 7.6274
YIQ	160.9620, 99.4470, -1.6170

Conversions

Conversions Part 2

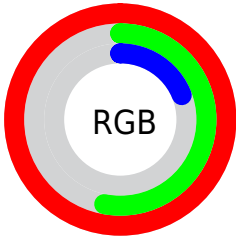
Format	Color
R _Y B	255, 198, 48
Decimal	16746288
CIE Lab	68.61, 40.12, 63.43
CIE LCh	69, 75.049, 57.689
Yxy	38.8013, 0.5207, 0.4006
Android (android.graphics.Color)	4294936368 (0xFFFF8730)
YUV	160.9620, -55.6903, 82.4713
Hunter-Lab	62.2907, 35.5248, 36.3435

Details

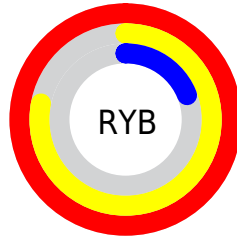
The XYZ color **50.4375, 38.8013, 7.6274** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **33.2707, 35.8518, 99.7737**, and the grayscale version is **34.0781, 35.8528, 39.0437**.

A 20% lighter version of the original color is **62.0024, 59.0265, 20.4373**, and **24.5791, 17.2629, 2.0366** is the 20% darker color. If you saturate the color by 10%, you get **48.1331, 34.8071, 4.9663**, and if you desaturate by 10%, it is **53.3319, 43.4932, 11.9753**.

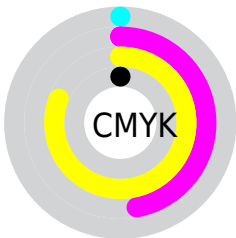
Distribution



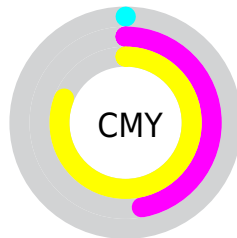
- Red (100%)
- Green (53%)
- Blue (19%)



- Red (100%)
- Yellow (78%)
- Blue (19%)



- Cyan (0%)
- Magenta (47%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4375, 38.8013, 7.6274 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 50.4375, 38.8013, 7.6274 by changing the saturation by 10% instead.


 50.4375, 38.8013,
7.6274


 50.4375, 38.8013,
7.6274


378.7981,
341.0450, 182.6037


 35.9804, 26.6052,
3.7731


 90.0107, 73.3347,
21.7587


 24.5891, 17.2769,
1.5017


 115.8575, 96.4407,
32.8728


 15.8983, 10.4321,
0.2192


 146.2315,
123.9522, 47.2439

 9.5426, 5.6864,
0.0000

 181.4982,
156.2535, 65.2906

 5.1567, 2.6553,
0.0000

 222.0228,
193.7291, 87.4313

 2.3752, 0.9546,
0.0000

 268.1708,

 0.8327, 0.0000,

236.7632, 114.0848

0.0000

320.3075,
285.7404, 145.6694

■ 0.0000, 0.0000,
0.0000

■ 50.4375, 38.8013,
7.6274

■ 50.4375, 38.8013,
7.6274

■ 48.1331, 34.8071,
4.9663

■ 53.3319, 43.4932,
11.9753

■ 46.5163, 31.8131,
3.6889

■ 56.8700, 48.9167,
18.2497

■ 61.1007, 55.1098,
26.6529

■ 66.0669, 62.1057,
37.3609

■ 71.8072, 69.9349,
50.5311

78.3574, 78.6265,
66.3067

85.7509, 88.2077,
84.8200

94.0190, 98.7046,
106.1943

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



60.9377, 38.8013, 18.6147



50.4375, 38.8013, 7.6274



37.8054, 38.8013, 4.8479

Triad

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



50.4375, 38.8013, 7.6274



18.4868, 38.8013, 39.6724



48.5032, 38.8013, 130.2869

Complementary

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



50.4375, 38.8013, 7.6274



33.2707, 35.8518, 99.7737

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.



35.9688, 38.8013, 146.6347



50.4375, 38.8013, 7.6274



20.1690, 38.8013, 80.3683

Square

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



50.4375, 38.8013, 7.6274



20.7894, 38.8013, 16.0998



25.9989, 38.8013, 124.7943



59.6633, 38.8013, 87.5662

Rectangle

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



50.4375, 38.8013, 7.6274



30.3850, 38.8013, 5.5991



25.9989, 38.8013, 124.7943



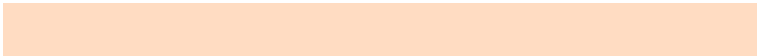
44.2391, 38.8013, 139.7983

Sweetspot

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



50.4384, 38.8034, 7.6281



76.4235, 76.0827, 61.5787



49.4349, 26.2293, 39.8709



15.8558, 15.6194, 11.9696



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.



50.4384, 38.8034, 7.6281



47.0338, 32.7805, 4.0680



72.2750, 82.4767, 14.9070



18.6368, 19.2418, 18.8761



24.4458, 16.9028, 1.9741



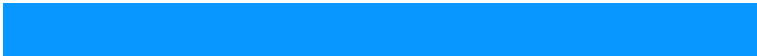
2.4854, 1.8561, 0.2273

Inverse Universe

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



33.2707, 35.8518, 99.7737



29.2178, 29.4135, 98.7452



21.1738, 11.6581, 95.7414



17.8777, 19.1270, 22.9996



15.1011, 15.1118, 51.5555



1.5785, 1.6876, 5.0558

Previews

White Background



This preview shows how the XYZ color 50.4375, 38.8013, 7.6274 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 50.4375, 38.8013, 7.6274 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 50.4375, 38.8013, 7.6274

Background



This preview shows how black text looks on a background with the XYZ color 50.4375, 38.8013, 7.6274.



This preview shows how white text looks on a background with the XYZ color 50.4375, 38.8013,

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

50.4375, 38.8013, 7.6274

Protanopia

35.4802, 38.9920, 9.5271

Deuteranopia

39.6120, 38.7851, 7.2322



Tritanopia

53.6056, 38.7667, 28.3243

Trichromacy



Original Color

50.4375, 38.8013, 7.6274

Protanomaly

39.7057, 38.0403, 8.7398

Deuteranomaly

43.0028, 38.3108, 7.3187

Tritanomaly

51.9061, 38.5125, 18.0625

Monochromacy



Original Color

50.4375, 38.8013, 7.6274

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.1241, 35.4146, 22.6484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4375, 38.8013, 7.6274 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, 135, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 48)  
}
```

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, 135, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 48) }
```

Border

The CSS property to change the border of an element to XYZ 50.4375, 38.8013, 7.6274 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, 135, 48) }
```


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

```
.border{ border-color:rgb(255, 135, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4375, 38.8013, 7.6274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 48) }
```

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

```
.background{ background-color: rgb(255,  
135, 48) }
```

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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