

Converting Colors

XYZ(50.1301, 38.0842, 7.8408)

Have a look what the booklet for
XYZ(50.1301, 38.0842, 7.8408)
contains.

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Color

**XYZ(50.0888, 38.0015,
7.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8433
RGB	255, 132, 51
RGB Percent	100%, 52%, 20%
CMY	0.0000, 0.4823, 0.8000
CMYK	0.00, 0.48, 0.80, 0.00
HSL	24°, 100%, 60%
HSV	24°, 80%, 100%
XYZ	50.0888, 38.0015, 7.8270
YIQ	159.5430, 99.3090, 0.8850

Conversions

Conversions Part 2

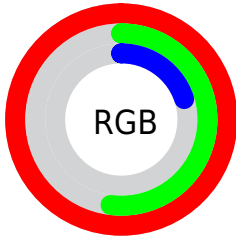
Format	Color
R _Y B	255, 185, 51
Decimal	16745523
CIE Lab	68.02, 41.70, 61.71
CIE LCh	68, 74.477, 55.948
Yxy	38.0015, 0.5222, 0.3962
Android (android.graphics.Color)	4294935603 (0xFFFF8433)
YUV	159.5430, -53.5117, 83.7158
Hunter-Lab	61.6454, 37.1575, 35.6238

Details

The XYZ color **50.0888, 38.0015, 7.8270** 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 **34.5501, 38.1935, 100.1582**, and the grayscale version is **33.4107, 35.1507, 38.2791**.

A 20% lighter version of the original color is **61.4585, 57.7799, 20.7454**, and **24.3545, 16.8137, 1.9617** is the 20% darker color. If you saturate the color by 10%, you get **47.7394, 33.9696, 4.9890**, and if you desaturate by 10%, it is **53.0550, 42.7751, 12.3895**.

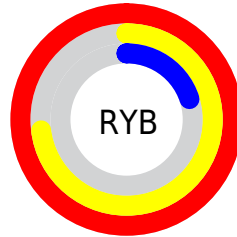
Distribution



Red (100%)

Green (52%)

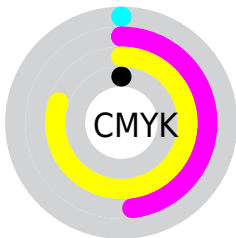
Blue (20%)



Red (100%)

Yellow (73%)

Blue (20%)

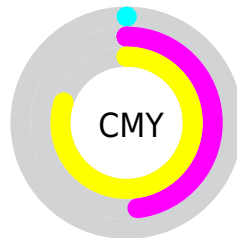


Cyan (0%)

Magenta (48%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0888, 38.0015, 7.8270 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 50.0888, 38.0015, 7.8270 by changing the saturation by 10% instead.


 50.0888, 38.0015,
7.8270


 50.0888, 38.0015,
7.8270


377.4594,
337.6264, 184.2524


 35.7020, 25.9839,
3.8983


 89.4975, 72.1104,
22.1591

 24.3732, 16.8116,
1.5697


 115.2501, 94.9705,
33.3996


 15.7369, 10.1002,
0.2691


 145.5221,
122.2135, 47.9144

 9.4279, 5.4655,
0.0000

 180.6787,
154.2239, 66.1221

 5.0806, 2.5229,
0.0000

 221.0854,
191.3859, 88.4412

 2.3299, 0.8881,
0.0000

 267.1075,

 0.8099, 0.0000,

234.0841, 115.2903

0.0000

319.1104,
282.7028, 147.0878

■ 0.0000, 0.0000,
0.0000

■ 50.0888, 38.0015,
7.8270

■ 50.0888, 38.0015,
7.8270

■ 47.7394, 33.9696,
4.9890

■ 53.0550, 42.7751,
12.3895

■ 45.9187, 30.6177,
3.4897

■ 56.6920, 48.3271,
18.9110

■ 45.9185, 30.6174,
3.4896

■ 61.0496, 54.6979,
27.5908

■ 66.1713, 61.9231,
38.6027

■ 72.0968, 70.0357,
52.1026

■ 78.8626, 79.0668,
68.2329

■ 86.5031, 89.0457,
87.1251

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.



60.0898, 38.0015, 19.2642



50.0888, 38.0015, 7.8270



37.7170, 38.0015, 4.7842

Triad

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



50.0888, 38.0015, 7.8270



18.1395, 38.0015, 37.0291



46.7729, 38.0015, 129.3778

Complementary

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



50.0888, 38.0015, 7.8270



34.5501, 38.1935, 100.1582

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.



34.5673, 38.0015, 143.2616



50.0888, 38.0015, 7.8270



19.5590, 38.0015, 76.0529

Square

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



50.0888, 38.0015, 7.8270



20.6240, 38.0015, 14.9425



25.0234, 38.0015, 119.9719



57.9059, 38.0015, 88.3864

Rectangle

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



50.0888, 38.0015, 7.8270



30.3362, 38.0015, 5.3502



25.0234, 38.0015, 119.9719



42.5943, 38.0015, 138.0696

Sweetspot

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



50.0896, 38.0036, 7.8277



76.0530, 75.3418, 61.4552



50.3396, 26.7941, 44.0094



15.7677, 15.4431, 11.9402



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.



50.0896, 38.0036, 7.8277



46.5962, 31.8830, 3.9911



70.4691, 78.7625, 14.6208



18.6012, 19.1706, 18.8642



24.1294, 16.2699, 1.8687



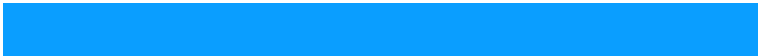
2.4525, 1.7904, 0.2163

Inverse Universe

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



34.5501, 38.1935, 100.1582



30.3691, 31.6686, 99.1198



21.9179, 12.9292, 95.9475



17.9142, 19.1999, 23.0117



15.5972, 16.1040, 51.7209



1.6254, 1.7816, 5.0715

Previews

White Background



This preview shows how the XYZ color 50.0888, 38.0015, 7.8270 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 50.0888, 38.0015, 7.8270 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 50.0888, 38.0015, 7.8270

Background



This preview shows how black text looks on a background with the XYZ color 50.0888, 38.0015, 7.8270.



This preview shows how white text looks on a background with the XYZ color 50.0888, 38.0015,

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

50.0888, 38.0015, 7.8270

Protanopia

34.8840, 38.4028, 9.8489

Deuteranopia

38.9393, 38.1762, 7.5069



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

50.0888, 38.0015, 7.8270

Protanomaly

39.1581, 37.2555, 8.9981

Deuteranomaly

42.5851, 37.8531, 7.5445

Tritanomaly

51.4579, 37.6978, 17.6610

Monochromacy



Original Color

50.0888, 38.0015, 7.8270

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.8022, 34.7709, 22.5411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0888, 38.0015, 7.8270 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, 132, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 51)  
}
```

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, 132, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 51) }
```

Border

The CSS property to change the border of an element to XYZ 50.0888, 38.0015, 7.8270 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, 132, 51) }
```


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

```
.border{ border-color:rgb(255, 132, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 132, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0888, 38.0015, 7.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 51) }
```

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

```
.background{ background-color: rgb(255,  
132, 51) }
```

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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