

Converting Colors

XYZ(50.2870, 38.7411, 6.8349)

Have a look what the booklet for
XYZ(50.2870, 38.7411, 6.8349)
contains.

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Color

**XYZ(50.2870, 38.7411,
6.8349)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8728
RGB	255, 135, 40
RGB Percent	100%, 53%, 16%
CMY	0.0000, 0.4706, 0.8431
CMYK	0.00, 0.47, 0.84, 0.00
HSL	27°, 100%, 58%
HSV	27°, 84%, 100%
XYZ	50.2870, 38.7411, 6.8349
YIQ	160.0500, 102.0150, -4.1050

Conversions

Conversions Part 2

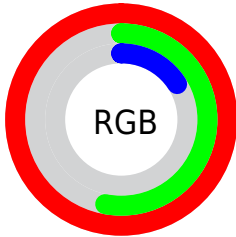
Format	Color
R _Y B	255, 210, 40
Decimal	16746280
CIE Lab	68.56, 39.90, 66.31
CIE LCh	69, 77.392, 58.964
Yxy	38.7411, 0.5246, 0.4041
Android (android.graphics.Color)	4294936360 (0xFFFF8728)
YUV	160.0500, -59.1846, 83.2712
Hunter-Lab	62.2423, 35.2901, 37.0589

Details

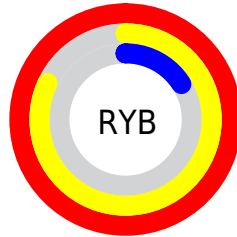
The XYZ color **50.2870, 38.7411, 6.8349** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **31.4952, 32.8113, 99.2804**, and the grayscale version is **33.6694, 35.4228, 38.5755**.

A 20% lighter version of the original color is **61.7190, 58.9131, 18.9449**, and **24.5791, 17.2629, 2.0366** is the 20% darker color. If you saturate the color by 10%, you get **48.1326, 34.9133, 4.6357**, and if you desaturate by 10%, it is **52.9939, 43.2182, 10.6268**.

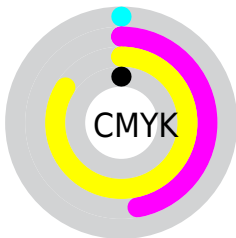
Distribution



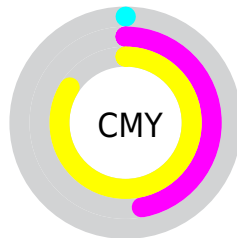
- Red (100%)
- Green (53%)
- Blue (16%)



- Red (100%)
- Yellow (82%)
- Blue (16%)



- Cyan (0%)
- Magenta (47%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2870, 38.7411, 6.8349 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 50.2870, 38.7411, 6.8349 by changing the saturation by 10% instead.

 50.2870, 38.7411,
6.8349

 50.2870, 38.7411,
6.8349


378.2207,
340.7885, 175.8633

 35.8602, 26.5584,
3.2822


 89.7892, 73.2426,
20.1475


 24.4959, 17.2418,
1.2405


 115.5954, 96.3302,
30.7444


 15.8286, 10.4071,
0.0122


 145.9254,
123.8216, 44.5265

 9.4930, 5.6697,
0.0000

 181.1447,
156.1011, 61.9123

 5.1238, 2.6453,
0.0000

 221.6185,
193.5532, 83.3203

 2.3556, 0.9495,
0.0000

 267.7121,

 0.8229, 0.0000,

236.5621, 109.1692

0.0000

319.7911,
285.5125, 139.8773

■ 0.0000, 0.0000,
0.0000

■ 50.2870, 38.7411,
6.8349

■ 50.2870, 38.7411,
6.8349

■ 48.1326, 34.9133,
4.6357

■ 52.9939, 43.2182,
10.6268

■ 47.1093, 32.9990,
3.8865

■ 56.3093, 48.3774,
16.2684

■ 60.2829, 54.2554,
23.9722

■ 64.9579, 60.8837,
33.9208

■ 70.3730, 68.2916,
46.2764

76.5638, 76.5062,
61.1861

83.5633, 85.5536,
78.7850

91.4026, 95.4581,
99.1986

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.



61.3918, 38.7411, 17.2981



50.2870, 38.7411, 6.8349



37.2478, 38.7411, 4.3592

Triad

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



50.2870, 38.7411, 6.8349



17.9973, 38.7411, 40.9801



49.3887, 38.7411, 132.4738

Complementary

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



50.2870, 38.7411, 6.8349



31.4952, 32.8113, 99.2804

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.



36.4000, 38.7411, 151.2958



50.2870, 38.7411, 6.8349



19.8772, 38.7411, 83.7909

Square

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



50.2870, 38.7411, 6.8349



20.1595, 38.7411, 16.1633



26.0050, 38.7411, 129.8874



60.7977, 38.7411, 87.1576

Rectangle

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



50.2870, 38.7411, 6.8349



29.7137, 38.7411, 5.2097



26.0050, 38.7411, 129.8874



44.9828, 38.7411, 142.9369

Sweetspot

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



50.2879, 38.7432, 6.8356



76.1128, 75.9152, 60.0761



48.5056, 25.3805, 36.4478



15.8105, 15.6155, 11.6871



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.



50.2879, 38.7432, 6.8356



47.1096, 32.9992, 3.8865



72.9794, 84.1263, 14.3994



18.6700, 19.3081, 18.8872



24.7589, 17.5291, 2.0785



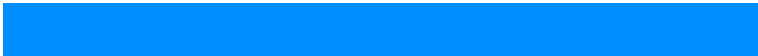
2.5174, 1.9202, 0.2380

Inverse Universe

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



31.4952, 32.8113, 99.2804



27.7705, 26.6610, 98.2902



20.2600, 10.3410, 95.5353



17.8439, 19.0595, 22.9883



14.6620, 14.2337, 51.4092



1.5365, 1.6038, 5.0418

Previews

White Background



This preview shows how the XYZ color 50.2870, 38.7411, 6.8349 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 50.2870, 38.7411, 6.8349 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 50.2870, 38.7411, 6.8349

Background



This preview shows how black text looks on a background with the XYZ color 50.2870, 38.7411, 6.8349.



This preview shows how white text looks on a background with the XYZ color 50.2870, 38.7411,

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

50.2870, 38.7411, 6.8349

Protanopia

35.2752, 38.9100, 8.4475

Deuteranopia

39.7473, 38.8725, 6.4451



Tritanopia

53.6056, 38.7667, 28.3243

Trichromacy



Original Color

50.2870, 38.7411, 6.8349

Protanomaly

39.5135, 37.9634, 7.7277

Deuteranomaly

43.1620, 38.4110, 6.5057

Tritanomaly

51.7546, 38.4519, 17.2646

Monochromacy



Original Color

50.2870, 38.7411, 6.8349

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.7247, 34.9963, 21.3424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2870, 38.7411, 6.8349 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, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 40)  
}
```

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, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 40) }
```

Border

The CSS property to change the border of an element to XYZ 50.2870, 38.7411, 6.8349 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, 40) }
```


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

```
.border{ border-color:rgb(255, 135, 40) }
```

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, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2870, 38.7411, 6.8349 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, 40) }
```

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

```
.background{ background-color: rgb(255,  
135, 40) }
```

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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