

Converting Colors

XYZ(48.8672, 38.8645, 5.9706)

Have a look what the booklet for
XYZ(48.8672, 38.8645, 5.9706)
contains.

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Color

**XYZ(48.8548, 38.8684,
5.9643)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8B1B
RGB	250, 139, 27
RGB Percent	98%, 55%, 11%
CMY	0.0196, 0.4549, 0.8941
CMYK	0.00, 0.44, 0.89, 0.02
HSL	30°, 96%, 54%
HSV	30°, 89%, 98%
XYZ	48.8548, 38.8684, 5.9643
YIQ	159.4210, 102.1080, -11.3000

Conversions

Conversions Part 2

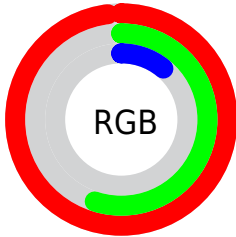
Format	Color
R_{YB}	248, 250, 27
Decimal	16419611
CIE _{Lab}	68.66, 35.63, 70.00
CIE _{LCh}	69, 78.546, 63.027
Yxy	38.8684, 0.5215, 0.4149
Android (android.graphics.Color)	4294609691 (0xFFFA8B1B)
YUV	159.4210, -65.2836, 79.4378
Hunter-Lab	62.3445, 30.7743, 37.9691

Details

The XYZ color **48.8548, 38.8684, 5.9643** 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 **26.7952, 25.3110, 93.9150**, and the grayscale version is **33.4062, 35.1459, 38.2739**.

A 20% lighter version of the original color is **61.9897, 60.0718, 17.1319**, and **23.9832, 17.5442, 2.1223** is the 20% darker color. If you saturate the color by 10%, you get **46.9683, 35.3947, 4.4139**, and if you desaturate by 10%, it is **51.1833, 42.8505, 8.8227**.

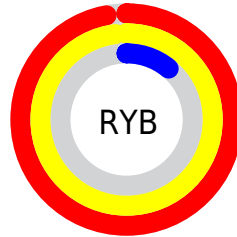
Distribution



Red (98%)

Green (55%)

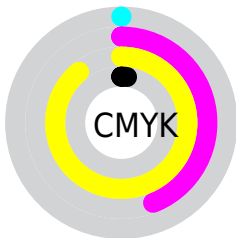
Blue (11%)



Red (97%)

Yellow (98%)

Blue (11%)

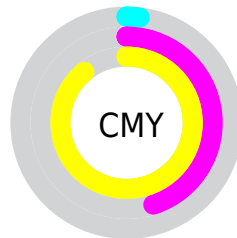


Cyan (0%)

Magenta (44%)

Yellow (89%)

Black (2%)



Cyan (2%)


Magenta (45%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8548, 38.8684, 5.9643 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 48.8548, 38.8684, 5.9643 by changing the saturation by 10% instead.


 48.8548, 38.8684,
5.9643


 48.8548, 38.8684,
5.9643


372.6969,
341.3307, 168.0471

 34.7184, 26.6574,
2.7549


 87.6778, 73.4372,
18.3331

 23.6115, 17.3161,
0.9709


 113.0950, 96.5638,
28.3297

 15.1689, 10.4601,
0.0000


 143.0033,
124.0977, 41.4257

 9.0251, 5.7051,
0.0000

 177.7679,
156.4233, 58.0398

 4.8148, 2.6666,
0.0000

 217.7542,
193.9250, 78.5905

 2.1726, 0.9603,
0.0000

 263.3276,

 0.7283, 0.0000,

236.9872, 103.4962

0.0000

314.8533,
285.9943, 133.1756

■ 0.0000, 0.0000,
0.0000

■ 48.8548, 38.8684,
5.9643

■ 48.8548, 38.8684,
5.9643

■ 46.9683, 35.3947,
4.4139

■ 51.1833, 42.8505,
8.8227

■ 46.8296, 35.1349,
4.3135

■ 54.0203, 47.3728,
13.3187

■ 57.4141, 52.4664,
19.6726

■ 61.4056, 58.1572,
28.0693

■ 66.0308, 64.4688,
38.6712

71.3227, 71.4232,
51.6242

77.3116, 79.0412,
67.0615

84.0258, 87.3422,
85.1062

91.4916, 96.3449,
105.8732

Harmonies

Analogous

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



60.7721, 38.8684, 14.9365



48.8548, 38.8684, 5.9643



35.6977, 38.8684, 4.1899

Triad

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



48.8548, 38.8684, 5.9643



17.8738, 38.8684, 46.0327



51.5313, 38.8684, 129.3376

Complementary

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



48.8548, 38.8684, 5.9643



26.7952, 25.3110, 93.9150

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.



38.2175, 38.8684, 153.7835



48.8548, 38.8684, 5.9643



20.3340, 38.8684, 91.5507

Square

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



48.8548, 38.8684, 5.9643



19.4996, 38.8684, 18.2801



27.1446, 38.8684, 137.0859



62.5447, 38.8684, 81.4903

Rectangle

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



48.8548, 38.8684, 5.9643



28.3749, 38.8684, 5.4419



27.1446, 38.8684, 137.0859



47.0831, 38.8684, 141.4846

Sweetspot

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



48.8557, 38.8705, 5.9650



75.9044, 76.3826, 57.2807



44.4400, 22.9575, 26.3247



15.8129, 15.7893, 11.1669



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.



48.8557, 38.8705, 5.9650



48.9694, 36.7188, 4.5065



73.8072, 88.7736, 14.2822



17.9650, 18.6659, 18.1184



24.9842, 18.9250, 2.3361



2.4200, 1.9648, 0.2517

Inverse Universe

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



26.7952, 25.3110, 93.9150



25.6292, 22.3785, 97.5764



18.0993, 7.9192, 91.0164



16.9967, 18.0703, 21.9774



13.1485, 11.6526, 49.5297



1.3237, 1.2911, 4.6226

Previews

White Background



This preview shows how the XYZ color 48.8548, 38.8684, 5.9643 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 48.8548, 38.8684, 5.9643 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 48.8548, 38.8684, 5.9643

Background



This preview shows how black text looks on a background with the XYZ color 48.8548, 38.8684, 5.9643.



This preview shows how white text looks on a background with the XYZ color 48.8548, 38.8684,

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

48.8548, 38.8684, 5.9643

Protanopia

35.2923, 38.9454, 7.2472

Deuteranopia

39.5495, 38.7933, 5.4034



Tritanopia

53.7505, 38.8246, 29.0870

Trichromacy



Original Color

48.8548, 38.8684, 5.9643

Protanomaly

39.1817, 38.0671, 6.6491

Deuteranomaly

42.6471, 38.6471, 5.4991

Tritanomaly

51.1001, 38.5395, 16.3009

Monochromacy



Original Color

48.8548, 38.8684, 5.9643

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

35.8357, 34.8106, 19.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8548, 38.8684, 5.9643 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(250, 139, 27)` looks like.

```
.text, #text, p{  
    color:rgb(250, 139, 27)  
}
```

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(250, 139, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 139, 27) }
```

Border

The CSS property to change the border of an element to XYZ 48.8548, 38.8684, 5.9643 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(250, 139, 27) }
```


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

```
.border{ border-color:rgb(250, 139, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 139, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 139, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 139, 27);  
box-shadow:4px 4px 4px 4px rgb(250, 139,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8548, 38.8684, 5.9643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 139, 27) }
```

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

```
.background{ background-color: rgb(250,  
139, 27) }
```

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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