

Converting Colors

XYZ(49.3926, 38.0074, 5.3473)

Have a look what the booklet for
XYZ(49.3926, 38.0074, 5.3473)
contains.

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Color

**XYZ(49.5157, 38.1680,
5.3735)**

Conversions

Conversions Part 1

Format	Color
Hex	FE8613
RGB	254, 134, 19
RGB Percent	100%, 53%, 7%
CMY	0.0039, 0.4745, 0.9255
CMYK	0.00, 0.47, 0.93, 0.00
HSL	29°, 99%, 54%
HSV	29°, 93%, 100%
XYZ	49.5157, 38.1680, 5.3735
YIQ	156.7700, 108.4350, -10.3250

Conversions

Conversions Part 2

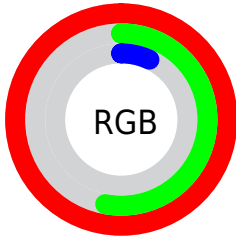
Format	Color
R_{YB}	254, 244, 19
Decimal	16680467
CIE _{Lab}	68.14, 39.63, 71.72
CIE _{LCh}	68, 81.937, 61.076
Yxy	38.1680, 0.5321, 0.4102
Android (android.graphics.Color)	4294870547 (0xFFFE8613)
YUV	156.7700, -67.9206, 85.2707
Hunter-Lab	61.7803, 34.9489, 38.0893

Details

The XYZ color **49.5157, 38.1680, 5.3735** 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 **27.3904, 25.7590, 97.2936**, and the grayscale version is **32.2073, 33.8846, 36.9004**.

A 20% lighter version of the original color is **60.7084, 57.8205, 15.7454**, and **24.2525, 16.9817, 1.9996** is the 20% darker color. If you saturate the color by 10%, you get **48.1184, 35.5619, 4.3280**, and if you desaturate by 10%, it is **51.7653, 42.1160, 7.8241**.

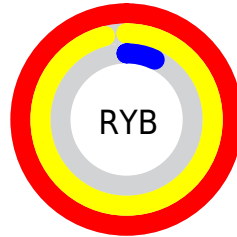
Distribution



Red (100%)

Green (53%)

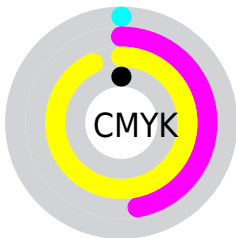
Blue (7%)



Red (100%)

Yellow (96%)

Blue (7%)

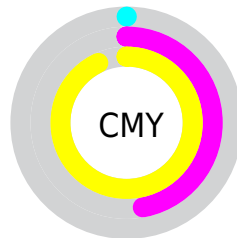


Cyan (0%)

Magenta (47%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5157, 38.1680, 5.3735 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 49.5157, 38.1680, 5.3735 by changing the saturation by 10% instead.


 49.5157, 38.1680,
5.3735


 49.5157, 38.1680,
5.3735


375.2524,
338.3401, 162.4488


 35.2450, 26.1131,
2.4055


 88.6530, 72.3656,
17.0706


 24.0190, 16.9083,
0.7894


 114.2503, 95.2770,
26.6368


 15.4726, 10.1691,
0.0000


 144.3538,
122.5761, 39.2395

 9.2402, 5.5112,
0.0000

 179.3290,
154.6473, 55.2971

 4.9565, 2.5502,
0.0000

 219.5410,
191.8748, 75.2284

 2.2563, 0.9017,
0.0000

 265.3554,

 0.7721, 0.0000,

234.6432, 99.4517

0.0000

317.1374,
283.3369, 128.3857

0.0000, 0.0000,
0.0000

49.5157, 38.1680,
5.3735

49.5157, 38.1680,
5.3735

48.1184, 35.5619,
4.3280

51.7653, 42.1160,
7.8241

54.5338, 46.6337,
11.8894

57.8754, 51.7559,
17.8154

61.8349, 57.5115,
25.8048

66.4519, 63.9269,
36.0336

71.7622, 71.0264,
48.6588

77.7986, 78.8330,
63.8230

84.5915, 87.3681,
81.6576

92.1694, 96.6524,
102.2850

Harmonies

Analogous

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



61.6732, 38.1680, 14.7787



49.5157, 38.1680, 5.3735



35.8180, 38.1680, 3.4283

Triad

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



49.5157, 38.1680, 5.3735



16.8296, 38.1680, 42.8943



50.5058, 38.1680, 135.7451

Complementary

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



49.5157, 38.1680, 5.3735



27.3904, 25.7590, 97.2936

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.



36.7410, 38.1680, 159.1987



49.5157, 38.1680, 5.3735



19.0311, 38.1680, 89.5295

Square

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



49.5157, 38.1680, 5.3735



18.7325, 38.1680, 15.9579



25.6380, 38.1680, 138.6757



62.3329, 38.1680, 85.7648

Rectangle

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



49.5157, 38.1680, 5.3735



28.1350, 38.1680, 4.3978



25.6380, 38.1680, 138.6757



45.8566, 38.1680, 147.9720

Sweetspot

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



49.5165, 38.1701, 5.3742



75.0620, 75.1282, 55.6729



45.8704, 23.4425, 27.0807



15.5220, 15.3706, 10.5671



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.



49.5165, 38.1701, 5.3742



48.5473, 35.8747, 4.3658



75.2017, 89.5403, 13.9359



18.7433, 19.4548, 18.9116



25.5155, 19.0422, 2.3307



2.5933, 2.0720, 0.2632

Inverse Universe

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



27.3904, 25.7590, 97.2936



26.0603, 23.2406, 97.7201



18.4628, 7.9040, 94.3178



17.7699, 18.9114, 22.9636



13.7671, 12.4437, 51.1109



1.4498, 1.4303, 5.0129

Previews

White Background



This preview shows how the XYZ color 49.5157, 38.1680, 5.3735 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 49.5157, 38.1680, 5.3735 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 49.5157, 38.1680, 5.3735

Background



This preview shows how black text looks on a background with the XYZ color 49.5157, 38.1680, 5.3735.



This preview shows how white text looks on a background with the XYZ color 49.5157, 38.1680,

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

49.5157, 38.1680, 5.3735

Protanopia

34.7795, 38.4175, 6.7446

Deuteranopia

38.8052, 38.1554, 5.3195



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

49.5157, 38.1680, 5.3735

Protanomaly

39.0482, 37.5099, 6.1018

Deuteranomaly

42.1498, 37.6790, 5.2522

Tritanomaly

51.1984, 38.0156, 14.9952

Monochromacy



Original Color

49.5157, 38.1680, 5.3735

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.1395, 33.7629, 18.5748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5157, 38.1680, 5.3735 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(254, 134, 19)` looks like.

```
.text, #text, p{  
    color:rgb(254, 134, 19)  
}
```

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(254, 134, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 134, 19) }
```

Border

The CSS property to change the border of an element to XYZ 49.5157, 38.1680, 5.3735 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(254, 134, 19) }
```


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

```
.border{ border-color:rgb(254, 134, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 134, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 134, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 134, 19);  
box-shadow:4px 4px 4px 4px rgb(254, 134,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5157, 38.1680, 5.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 134, 19) }
```

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

```
.background{ background-color: rgb(254,  
134, 19) }
```

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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