

Converting Colors

XYZ(46.6430, 38.3992, 8.3276)

Have a look what the booklet for
XYZ(46.6430, 38.3992, 8.3276)
contains.

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Color

**XYZ(46.5912, 38.3038,
8.3059)**

Conversions

Conversions Part 1

Format	Color
Hex	F18E35
RGB	241, 142, 53
RGB Percent	95%, 56%, 21%
CMY	0.0549, 0.4431, 0.7921
CMYK	0.00, 0.41, 0.78, 0.05
HSL	28°, 87%, 58%
HSV	28°, 78%, 95%
XYZ	46.5912, 38.3038, 8.3059
YIQ	161.4550, 87.5730, -6.6910

Conversions

Conversions Part 2

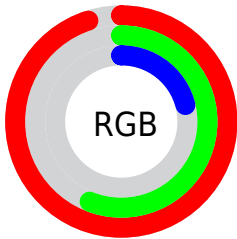
Format	Color
R _Y B	241, 222, 53
Decimal	15830581
CIE Lab	68.24, 31.12, 60.43
CIE LCh	68, 67.968, 62.753
Yxy	38.3038, 0.4999, 0.4110
Android (android.graphics.Color)	4294020661 (0xFFFF18E35)
YUV	161.4550, -53.4683, 69.7610
Hunter-Lab	61.8901, 26.0682, 35.3661

Details

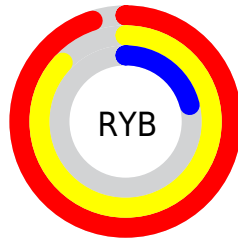
The XYZ color **46.5912, 38.3038, 8.3059** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.5728, 29.5626, 87.4186**, and the grayscale version is **34.3021, 36.0885, 39.3003**.

A 20% lighter version of the original color is **63.5814, 61.7805, 22.2094**, and **22.3315, 17.0659, 2.1170** is the 20% darker color. If you saturate the color by 10%, you get **44.3880, 34.5730, 5.4899**, and if you desaturate by 10%, it is **49.2895, 42.5799, 12.6611**.

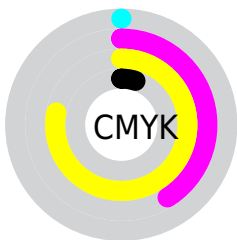
Distribution



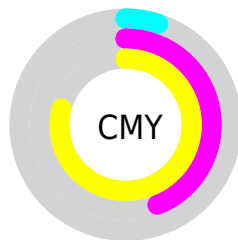
- Red (95%)
- Green (56%)
- Blue (21%)



- Red (95%)
- Yellow (87%)
- Blue (21%)



- Cyan (0%)
- Magenta (41%)
- Yellow (78%)
- Black (5%)





- Cyan (5%)
- Magenta (44%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5912, 38.3038, 8.3059 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 46.5912, 38.3038, 8.3059 by changing the saturation by 10% instead.


 46.5912, 38.3038,
8.3059


 46.5912, 38.3038,
8.3059


363.8566,
338.9214, 188.1353

 32.9192, 26.2186,
4.2007


 84.3256, 72.5735,
23.1120

 22.2235, 16.9872,
1.7361


 109.1186, 95.5268,
34.6500


 14.1387, 10.2254,
0.3853


 138.3494,
122.8716, 49.5026

 8.2996, 5.5486,
0.0000

 172.3832,
154.9923, 68.0886

 4.3406, 2.5726,
0.0000

 211.5855,
192.2732, 90.8262

 1.8966, 0.9129,
0.0000

 256.3216,

 0.5749, 0.0000,

235.0987, 118.1342

0.0000

306.9569,
283.8533, 150.4311

■ 0.0000, 0.0000,
0.0000

■ 46.5912, 38.3038,
8.3059

■ 46.5912, 38.3038,
8.3059

■ 44.3880, 34.5730,
5.4899

■ 49.2895, 42.5799,
12.6611

■ 42.6195, 31.3469,
3.9422


■ 52.5240, 47.4238,
18.7494


■ 42.3037, 30.7573,
3.7071


■ 56.3333, 52.8629,
26.7380


■ 60.7510, 58.9207,
36.7734

■ 65.8079, 65.6192,
48.9879

 71.5323, 72.9791,
63.5021

 77.9509, 81.0198,
80.4281

 85.0884, 89.7601,
99.8704

 90.0853, 97.4406,
108.6677

Harmonies

Analogous

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



56.4485, 38.3038, 17.3728



46.5912, 38.3038, 8.3059



35.4335, 38.3038, 6.3007

Triad

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



46.5912, 38.3038, 8.3059



19.5664, 38.3038, 44.5823



48.6249, 38.3038, 112.8670

Complementary

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



46.5912, 38.3038, 8.3059



28.5728, 29.5626, 87.4186

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.



37.3974, 38.3038, 131.7811



46.5912, 38.3038, 8.3059



21.7779, 38.3038, 82.0787

Square

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



46.5912, 38.3038, 8.3059



21.0881, 38.3038, 20.2337



27.8262, 38.3038, 118.4170



57.7742, 38.3038, 74.6643

Rectangle

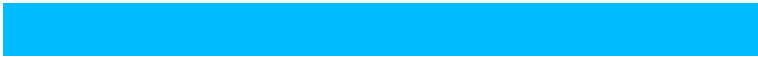
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5912, 38.3038, 8.3059



29.0584, 38.3038, 7.6617



27.8262, 38.3038, 118.4170



44.8996, 38.3038, 122.3500

Sweetspot

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



46.5921, 38.3058, 8.3066



77.9308, 78.6357, 63.5045



43.3205, 23.5558, 32.5165



16.1870, 16.1935, 12.3519



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.



46.5921, 38.3058, 8.3066



49.1500, 36.9387, 5.0026



66.5498, 78.2213, 14.9592



16.3900, 16.9931, 16.5659



23.0734, 16.9449, 2.0546



2.0184, 1.6075, 0.2039

Inverse Universe

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



28.5728, 29.5626, 87.4186



27.8533, 26.5268, 98.2599



18.9232, 10.2635, 84.2021



15.5862, 16.6065, 20.1055



12.8548, 11.9338, 46.7538



1.1690, 1.1919, 3.9227

Previews

White Background



This preview shows how the XYZ color 46.5912, 38.3038, 8.3059 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 46.5912, 38.3038, 8.3059 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 46.5912, 38.3038, 8.3059

Background



This preview shows how black text looks on a background with the XYZ color 46.5912, 38.3038, 8.3059.



This preview shows how white text looks on a background with the XYZ color 46.5912, 38.3038,

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

46.5912, 38.3038, 8.3059

Protanopia

34.8840, 38.4028, 9.8489

Deuteranopia

39.0344, 38.2143, 8.0081



Tritanopia

51.3515, 38.3511, 30.6826

Trichromacy



Original Color

46.5912, 38.3038, 8.3059

Protanomaly

38.4190, 37.8709, 9.1558

Deuteranomaly

41.6014, 38.0504, 8.0576

Tritanomaly

48.9269, 37.9672, 19.5015

Monochromacy



Original Color

46.5912, 38.3038, 8.3059

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.3037, 35.4635, 23.3441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5912, 38.3038, 8.3059 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(241, 142, 53)` looks like.

```
.text, #text, p{  
    color:rgb(241, 142, 53)  
}
```

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(241, 142, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 142, 53) }
```

Border

The CSS property to change the border of an element to XYZ 46.5912, 38.3038, 8.3059 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(241, 142, 53) }
```


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

```
.border{ border-color:rgb(241, 142, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 142, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 142, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 142, 53);  
box-shadow:4px 4px 4px 4px rgb(241, 142,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5912, 38.3038, 8.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 142, 53) }
```

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

```
.background{ background-color: rgb(241,  
142, 53) }
```

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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