

Converting Colors

$Y_{xy}(36.8918, 0.5292, 0.3948)$

Have a look what the booklet for
Yxy(36.8918, 0.5292, 0.3948)
contains.

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Color

Yxy(36.8956, 0.5292, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	FF802E
RGB	255, 128, 46
RGB Percent	100%, 50%, 18%
CMY	0.0000, 0.4980, 0.8195
CMYK	0.00, 0.50, 0.82, 0.00
HSL	24°, 100%, 59%
HSV	24°, 82%, 100%
XYZ	49.4558, 36.8956, 7.1025
YIQ	156.6250, 102.0140, 1.4220

Conversions

Conversions Part 2

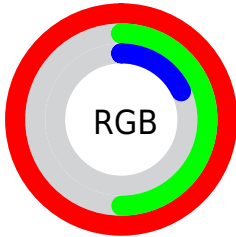
Format	Color
R _Y B	255, 181, 46
Decimal	16744494
CIE Lab	67.20, 43.54, 62.94
CIE LCh	67, 76.531, 55.322
Yxy	36.8956, 0.5292, 0.3948
Android (android.graphics.Color)	4294934574 (0xFFFF802E)
YUV	156.6250, -54.5381, 86.2749
Hunter-Lab	60.7417, 39.0363, 35.5865

Details

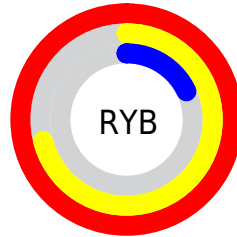
The Yxy color **36.8956, 0.5292, 0.3948** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **37.7003, 0.1985, 0.2193**, and the grayscale version is **33.7556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0278, 0.4447, 0.4123**, and **16.2452, 0.5706, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **33.0118, 0.5568, 0.3893**, and if you desaturate by 10%, it is **41.5162, 0.4975, 0.3950**.

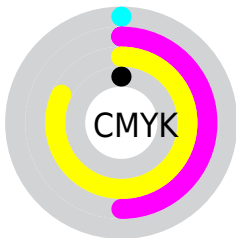
Distribution



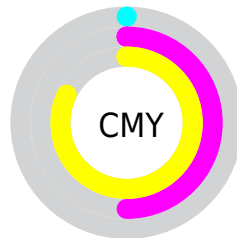
- Red (100%)
- Green (50%)
- Blue (18%)



- Red (100%)
- Yellow (71%)
- Blue (18%)



- Cyan (0%)
- Magenta (50%)
- Yellow (82%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8956, 0.5292, 0.3948 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 Yxy color 36.8956, 0.5292, 0.3948 by changing the saturation by 10% instead.


 36.8956, 0.5292,
0.3948


 36.8956, 0.5292,
0.3948


332.8583, 0.4232,
0.3757


 25.1267, 0.5519,
0.3940


 70.4122, 0.4929,
0.3919


 16.1715, 0.5782,
0.3899


 92.9286, 0.4785,
0.3896


 9.6456, 0.6135,
0.3831


 119.7964, 0.4660,
0.3871


 5.1646, 0.6410,
0.3590

 151.3998, 0.4552,
0.3846

 2.3442, 0.6783,
0.3217

 188.1233, 0.4457,
0.3822

 0.7969, 0.7383,
0.2617

 230.3513, 0.4373,

 0.0000, 1.0000,

0.3799

0.0000

278.4682, 0.4299,
0.3777

■ 0.0000, 0.0000,
0.0000

■ 36.8956, 0.5292,
0.3948

■ 36.8956, 0.5292,
0.3948

■ 33.0118, 0.5568,
0.3893

■ 41.5162, 0.4975,
0.3950

■ 30.3791, 0.5752,
0.3815

■ 46.9179, 0.4644,
0.3905

■ 53.1408, 0.4323,
0.3828

■ 60.2213, 0.4026,
0.3730

■ 68.1936, 0.3761,
0.3623

77.0895, 0.3529,
0.3515

86.9393, 0.3329,
0.3409

97.7718, 0.3158,
0.3309

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



36.8956, 0.5181, 0.3211



36.8956, 0.5292, 0.3948



36.8956, 0.4738, 0.4733

Triad

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



36.8956, 0.5292, 0.3948



36.8956, 0.1919, 0.4138



36.8956, 0.2137, 0.1730

Complementary

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



36.8956, 0.5292, 0.3948



37.7003, 0.1985, 0.2193

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.



36.8956, 0.1551, 0.1720



36.8956, 0.5292, 0.3948



36.8956, 0.1421, 0.2843

Square

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



36.8956, 0.5292, 0.3948



36.8956, 0.2803, 0.5262



36.8956, 0.1319, 0.2046



36.8956, 0.3115, 0.2018

Rectangle

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



36.8956, 0.5292, 0.3948



36.8956, 0.4152, 0.5200



36.8956, 0.1319, 0.2046



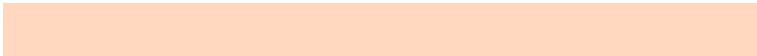
36.8956, 0.1898, 0.1694

Sweetspot

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



36.8956, 0.5292, 0.3948



74.2758, 0.3596, 0.3548



26.3073, 0.4190, 0.2207



15.2278, 0.3677, 0.3586



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8956, 0.5292, 0.3948



30.9965, 0.5707, 0.3835



78.3969, 0.4317, 0.4821



19.1558, 0.3284, 0.3384



16.1435, 0.5722, 0.3838



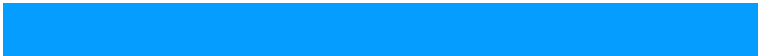
1.7772, 0.5512, 0.4005

Inverse Universe

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



37.7003, 0.1985, 0.2193



31.3586, 0.1878, 0.1953



12.2333, 0.1652, 0.0945



19.2152, 0.2979, 0.3194



16.3168, 0.1874, 0.1948



1.8016, 0.1921, 0.2117

Previews

White Background



This preview shows how the Yxy color 36.8956, 0.5292, 0.3948 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 Yxy color 36.8956, 0.5292, 0.3948 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](#).

Yxy 36.8956, 0.5292, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 36.8956, 0.5292, 0.3948.



This preview shows how white text looks on a background with the Yxy color 36.8956, 0.5292, 0.3948.

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

36.8956, 0.5292, 0.3948

Protanopia

36.8940, 0.4221, 0.4649

Deuteranopia

37.1637, 0.4633, 0.4540



Tritanopia

36.7908, 0.4562, 0.3214

Trichromacy



Original Color

36.8956, 0.5292, 0.3948

Protanomaly

35.9365, 0.4626, 0.4377

Deuteranomaly

36.5515, 0.4884, 0.4314

Tritanomaly

36.5762, 0.4900, 0.3535

Monochromacy



Original Color

36.8956, 0.5292, 0.3948

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.1796, 0.3941, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8956, 0.5292, 0.3948 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, 128, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 46)  
}
```

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, 128, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 46) }
```

Border

The CSS property to change the border of an element to Yxy 36.8956, 0.5292, 0.3948 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, 128, 46) }
```

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

```
.border{ border-color:rgb(255, 128, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8956, 0.5292, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 46) }
```

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

```
.background{ background-color: rgb(255,  
128, 46) }
```

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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