

Converting Colors

Yxy(38.6822, 0.5121, 0.3908)

Have a look what the booklet for
Yxy(38.6822, 0.5121, 0.3908)
contains.

Yxy(38.6804, 0.5119, 0.3906)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.6804, 0.5119, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	FF8640
RGB	255, 134, 64
RGB Percent	100%, 53%, 25%
CMY	0.0000, 0.4745, 0.7487
CMYK	0.00, 0.47, 0.75, 0.00
HSL	22°, 100%, 63%
HSV	22°, 75%, 100%
XYZ	50.6925, 38.6804, 9.6552
YIQ	162.1990, 94.5860, 3.8820

Conversions

Conversions Part 2

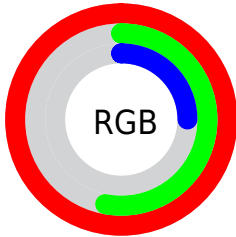
Format	Color
RYB	255, 174, 64
Decimal	16746048
CIELab	68.52, 41.18, 56.54
CIElCh	69, 69.941, 53.934
Yxy	38.6804, 0.5119, 0.3906
Android (android.graphics.Color)	4294936128 (0xFFFF8640)
YUV	162.1990, -48.4121, 81.3865
Hunter-Lab	62.1936, 36.6524, 34.3310

Details

The Yxy color **38.6804, 0.5119, 0.3906** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **43.0388, 0.2068, 0.2371**, and the grayscale version is **36.4321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8930, 0.4291, 0.4042**, and **17.2564, 0.5600, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **34.3239, 0.5439, 0.3885**, and if you desaturate by 10%, it is **43.8561, 0.4777, 0.3879**.

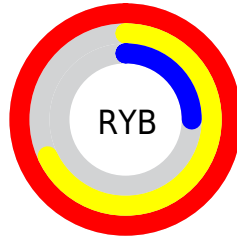
Distribution



Red (100%)

Green (53%)

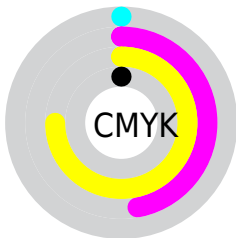
Blue (25%)



Red (100%)

Yellow (68%)

Blue (25%)

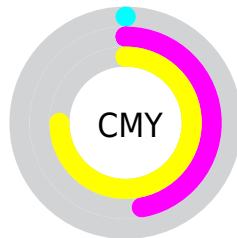


Cyan (0%)

Magenta (47%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6804, 0.5119, 0.3906 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 38.6804, 0.5119, 0.3906 by changing the saturation by 10% instead.


 38.6804, 0.5119,
0.3906


 38.6804, 0.5119,
0.3906


340.5298, 0.4133,
0.3706

 26.5112, 0.5340,
0.3912


 73.1498, 0.4775,
0.3865

 17.2065, 0.5601,
0.3894


 96.2188, 0.4641,
0.3840

 10.3818, 0.5913,
0.3833


 123.6899, 0.4525,
0.3814

 5.6528, 0.6300,
0.3700

 155.9474, 0.4425,
0.3790

 2.6351, 0.6642,
0.3358

 193.3757, 0.4338,
0.3767

 0.9444, 0.7183,
0.2817

236.3593, 0.4261,

 0.0000, 1.0000,

0.3745

0.0000

285.2825, 0.4193,
0.3725

■ 0.0000, 0.0000,
0.0000

■ 38.6804, 0.5119,
0.3906

■ 38.6804, 0.5119,
0.3906

■ 34.3239, 0.5439,
0.3885

■ 43.8561, 0.4777,
0.3879

■ 30.7300, 0.5708,
0.3810


■ 49.8900, 0.4439,
0.3816

■ 29.1591, 0.5824,
0.3758

■ 56.8250, 0.4125,
0.3730

■ 64.6992, 0.3843,
0.3632

■ 73.5481, 0.3597,
0.3530

 83.4054, 0.3386,
0.3430

 94.3028, 0.3205,
0.3334

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.



38.6804, 0.4960, 0.3213



38.6804, 0.5119, 0.3906



38.6804, 0.4663, 0.4619

Triad

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



38.6804, 0.5119, 0.3906



38.6804, 0.2068, 0.4107



38.6804, 0.2191, 0.1841

Complementary

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



38.6804, 0.5119, 0.3906



43.0388, 0.2068, 0.2371

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.



38.6804, 0.1654, 0.1850



38.6804, 0.5119, 0.3906



38.6804, 0.1572, 0.2950

Square

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



38.6804, 0.5119, 0.3906



38.6804, 0.2901, 0.5063



38.6804, 0.1450, 0.2186



38.6804, 0.3077, 0.2100

Rectangle

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



38.6804, 0.5119, 0.3906



38.6804, 0.4143, 0.5024



38.6804, 0.1450, 0.2186



38.6804, 0.1973, 0.1812

Sweetspot

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



38.6824, 0.5119, 0.3906



76.2760, 0.3533, 0.3501



28.5734, 0.3977, 0.2178



15.7747, 0.3594, 0.3528



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.



38.6824, 0.5119, 0.3906



32.3895, 0.5585, 0.3853



76.2202, 0.4299, 0.4717



19.0764, 0.3285, 0.3378



15.4954, 0.5794, 0.3781



1.7084, 0.5579, 0.3952

Inverse Universe

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



43.0388, 0.2068, 0.2371



36.5363, 0.1948, 0.2156



16.0906, 0.1761, 0.1178



19.2971, 0.2980, 0.3201



17.4960, 0.1900, 0.2041



1.9120, 0.1944, 0.2199

Previews

White Background



This preview shows how the Yxy color 38.6804, 0.5119, 0.3906 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 38.6804, 0.5119, 0.3906 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 38.6804, 0.5119, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 38.6804, 0.5119, 0.3906.



This preview shows how white text looks on a background with the Yxy color 38.6804, 0.5119, 0.3906.

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

38.6804, 0.5119, 0.3906

Protanopia

38.9388, 0.4100, 0.4499

Deuteranopia

38.6470, 0.4515, 0.4425



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.6804, 0.5119, 0.3906

Protanomaly

38.0680, 0.4480, 0.4279

Deuteranomaly

38.3077, 0.4746, 0.4219

Tritanomaly

38.6184, 0.4732, 0.3503

Monochromacy



Original Color

38.6804, 0.5119, 0.3906

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6986, 0.3849, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6804, 0.5119, 0.3906 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, 134, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 64)  
}
```

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, 134, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 64) }
```

Border

The CSS property to change the border of an element to Yxy 38.6804, 0.5119, 0.3906 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, 134, 64) }
```

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

```
.border{ border-color:rgb(255, 134, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 134, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6804, 0.5119, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 64) }
```

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

```
.background{ background-color: rgb(255,  
134, 64) }
```

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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