

Converting Colors

$Y_{xy}(38.3916, 0.5243, 0.4013)$

Have a look what the booklet for
Yxy(38.3916, 0.5243, 0.4013)
contains.

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Color

Yxy(38.4920, 0.5238, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	FF862C
RGB	255, 134, 44
RGB Percent	100%, 53%, 17%
CMY	0.0000, 0.4745, 0.8276
CMYK	0.00, 0.47, 0.83, 0.00
HSL	26°, 100%, 59%
HSV	26°, 83%, 100%
XYZ	50.2170, 38.4920, 7.1615
YIQ	159.9190, 101.0060, -2.3380

Conversions

Conversions Part 2

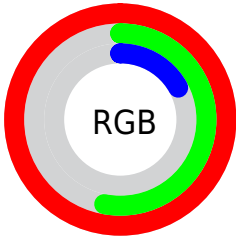
Format	Color
R _Y B	255, 201, 44
Decimal	16746028
CIE Lab	68.38, 40.50, 64.75
CIE LCh	68, 76.374, 57.979
Yxy	38.4920, 0.5238, 0.4015
Android (android.graphics.Color)	4294936108 (0xFFFF862C)
YUV	159.9190, -57.1481, 83.3860
Hunter-Lab	62.0419, 35.9052, 36.5855

Details

The Yxy color **38.4920, 0.5238, 0.4015** 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 **34.6414, 0.1951, 0.2078**, and the grayscale version is **35.3482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5370, 0.4410, 0.4188**, and **17.1110, 0.5617, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **34.5918, 0.5496, 0.3961**, and if you desaturate by 10%, it is **43.0724, 0.4940, 0.4014**.

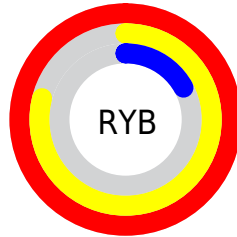
Distribution



Red (100%)

Green (53%)

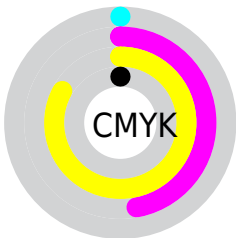
Blue (17%)



Red (100%)

Yellow (79%)

Blue (17%)

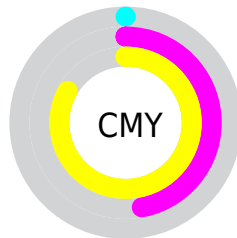


Cyan (0%)

Magenta (47%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4920, 0.5238, 0.4015 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 38.4920, 0.5238, 0.4015 by changing the saturation by 10% instead.

 38.4920, 0.5238,
0.4015


 38.4920, 0.5238,
0.4015


339.7258, 0.4217,
0.3790

 26.3648, 0.5454,
0.4016


 72.8616, 0.4891,
0.3974


 17.0967, 0.5700,
0.3986


 95.8728, 0.4752,
0.3946

 10.3035, 0.6029,
0.3933


 123.2807, 0.4632,
0.3917

 5.6006, 0.6284,
0.3716

 155.4699, 0.4527,
0.3889

 2.6038, 0.6624,
0.3376

 192.8245, 0.4435,
0.3862

 0.9286, 0.7165,
0.2835

 235.7291, 0.4353,

 0.0000, 1.0000,

0.3836

0.0000

284.5681, 0.4281,
0.3812

■ 0.0000, 0.0000,
0.0000

■ 38.4920, 0.5238,
0.4015

■ 38.4920, 0.5238,
0.4015

■ 34.5918, 0.5496,
0.3961

■ 43.0724, 0.4940,
0.4014


■ 32.1560, 0.5653,
0.3894

■ 48.3670, 0.4627,
0.3965


■ 54.4137, 0.4319,
0.3881

■ 61.2451, 0.4031,
0.3776

■ 68.8917, 0.3771,
0.3661

 77.3819, 0.3542,
0.3543

 86.7427, 0.3343,
0.3428

 96.9998, 0.3170,
0.3319

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



38.4920, 0.5192, 0.3279



38.4920, 0.5238, 0.4015



38.4920, 0.4652, 0.4788

Triad

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



38.4920, 0.5238, 0.4015



38.4920, 0.1877, 0.4003



38.4920, 0.2221, 0.1763

Complementary

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



38.4920, 0.5238, 0.4015



34.6414, 0.1951, 0.2078

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.



38.4920, 0.1606, 0.1728



38.4920, 0.5238, 0.4015



38.4920, 0.1419, 0.2761

Square

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



38.4920, 0.5238, 0.4015



38.4920, 0.2725, 0.5163



38.4920, 0.1347, 0.2019



38.4920, 0.3218, 0.2071

Rectangle

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



38.4920, 0.5238, 0.4015



38.4920, 0.4061, 0.5225



38.4920, 0.1347, 0.2019



38.4920, 0.1973, 0.1719

Sweetspot

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



38.4941, 0.5238, 0.4015



75.4114, 0.3591, 0.3570



25.8490, 0.4310, 0.2268



15.4962, 0.3670, 0.3611



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.



38.4941, 0.5238, 0.4015



32.4778, 0.5632, 0.3903



82.2434, 0.4271, 0.4873



19.2615, 0.3284, 0.3392



17.0852, 0.5624, 0.3916



1.8749, 0.5423, 0.4076

Inverse Universe

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



34.6414, 0.1951, 0.2078



28.1881, 0.1839, 0.1815



11.1500, 0.1629, 0.0874



19.1069, 0.2979, 0.3186



14.8462, 0.1841, 0.1826



1.6624, 0.1891, 0.2008

Previews

White Background



This preview shows how the Yxy color 38.4920, 0.5238, 0.4015 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 38.4920, 0.5238, 0.4015 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 38.4920, 0.5238, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 38.4920, 0.5238, 0.4015.



This preview shows how white text looks on a background with the Yxy color 38.4920, 0.5238, 0.4015.

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

38.4920, 0.5238, 0.4015

Protanopia

38.8271, 0.4235, 0.4679

Deuteranopia

38.7550, 0.4644, 0.4553



Tritanopia

38.4759, 0.4458, 0.3212

Trichromacy



Original Color

38.4920, 0.5238, 0.4015

Protanomaly

38.0043, 0.4613, 0.4425

Deuteranomaly

38.2772, 0.4873, 0.4346

Tritanomaly

38.2045, 0.4813, 0.3559

Monochromacy



Original Color

38.4920, 0.5238, 0.4015

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0433, 0.3926, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4920, 0.5238, 0.4015 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 44) }
```

Border

The CSS property to change the border of an element to Yxy 38.4920, 0.5238, 0.4015 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, 44) }
```

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

```
.border{ border-color:rgb(255, 134, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4920, 0.5238, 0.4015 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, 44) }
```

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

```
.background{ background-color: rgb(255,  
134, 44) }
```

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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