

Converting Colors

$Y_{xy}(45.7549, 0.5397, 0.3849)$

Have a look what the booklet for
Yxy(45.7549, 0.5397, 0.3849)
contains.

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Color

Yxy(38.8543, 0.5173, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	FF8736
RGB	255, 135, 54
RGB Percent	100%, 53%, 21%
CMY	0.0001, 0.4705, 0.7881
CMYK	0.00, 0.47, 0.79, 0.00
HSL	24°, 100%, 61%
HSV	24°, 79%, 100%
XYZ	50.5644, 38.8543, 8.3280
YIQ	161.6460, 97.5210, 0.2490

Conversions

Conversions Part 2

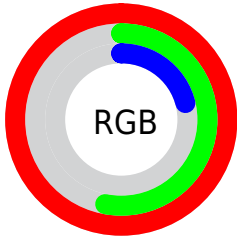
Format	Color
R _Y B	255, 190, 54
Decimal	16746294
CIE Lab	68.65, 40.29, 61.04
CIE LCh	69, 73.141, 56.576
Yxy	38.8543, 0.5173, 0.3975
Android (android.graphics.Color)	4294936374 (0xFFFF8736)
YUV	161.6460, -53.0695, 81.8715
Hunter-Lab	62.3332, 35.7151, 35.7118

Details

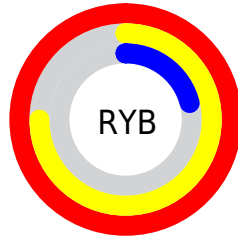
The Yxy color **38.8543, 0.5173, 0.3975** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **38.2701, 0.2005, 0.2211**, and the grayscale version is **36.1797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1275, 0.4349, 0.4130**, and **17.3930, 0.5609, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **34.7273, 0.5460, 0.3939**, and if you desaturate by 10%, it is **43.7182, 0.4854, 0.3959**.

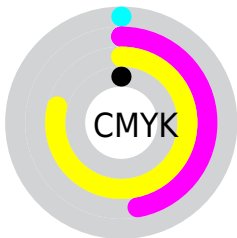
Distribution



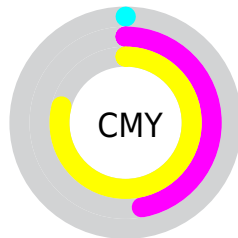
- Red (100%)
- Green (53%)
- Blue (21%)



- Red (100%)
- Yellow (75%)
- Blue (21%)



- Cyan (0%)
- Magenta (47%)
- Yellow (79%)
- Black (0%)



- Cyan (0%)
- Magenta (47%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8543, 0.5173, 0.3975 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 38.8543, 0.5173, 0.3975 by changing the saturation by 10% instead.


 38.8543, 0.5173,
0.3975


 38.8543, 0.5173,
0.3975


341.2706, 0.4173,
0.3755

 26.6464, 0.5390,
0.3980


 73.4157, 0.4829,
0.3931

 17.3078, 0.5642,
0.3959


 96.5380, 0.4693,
0.3903

 10.4542, 0.5954,
0.3901


 124.0672, 0.4576,
0.3876

 5.7011, 0.6270,
0.3730

 156.3877, 0.4474,
0.3848

 2.6642, 0.6606,
0.3394

 193.8839, 0.4384,
0.3823

 0.9591, 0.7138,
0.2862

 236.9402, 0.4305,

 0.0000, 1.0000,

0.3799

0.0000

285.9410, 0.4236,
0.3776

■ 0.0000, 0.0000,
0.0000

■ 38.8543, 0.5173,
0.3975

■ 38.8543, 0.5173,
0.3975

■ 34.7273, 0.5460,
0.3939

■ 43.7182, 0.4854,
0.3959

■ 31.2802, 0.5695,
0.3851

■ 49.3540, 0.4529,
0.3900

■ 30.9102, 0.5721,
0.3839

■ 55.8011, 0.4219,
0.3812

■ 63.0939, 0.3935,
0.3708

■ 71.2645, 0.3682,
0.3597

■ 80.3431, 0.3462,
0.3486

■ 90.3585, 0.3272,
0.3379

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



38.8543, 0.5082, 0.3260



38.8543, 0.5173, 0.3975



38.8543, 0.4644, 0.4715

Triad

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



38.8543, 0.5173, 0.3975



38.8543, 0.1961, 0.4032



38.8543, 0.2221, 0.1806

Complementary

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



38.8543, 0.5173, 0.3975



38.2701, 0.2005, 0.2211

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.



38.8543, 0.1639, 0.1788



38.8543, 0.5173, 0.3975



38.8543, 0.1491, 0.2838

Square

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



38.8543, 0.5173, 0.3975



38.8543, 0.2797, 0.5097



38.8543, 0.1401, 0.2094



38.8543, 0.3167, 0.2095

Rectangle

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



38.8543, 0.5173, 0.3975



38.8543, 0.4086, 0.5130



38.8543, 0.1401, 0.2094



38.8543, 0.1986, 0.1768

Sweetspot

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



38.8564, 0.5173, 0.3975



75.5313, 0.3572, 0.3543



26.9762, 0.4183, 0.2245



15.4882, 0.3653, 0.3583



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.



38.8564, 0.5173, 0.3975



32.5244, 0.5611, 0.3889



80.8717, 0.4266, 0.4820



19.1888, 0.3284, 0.3386



16.4283, 0.5692, 0.3863



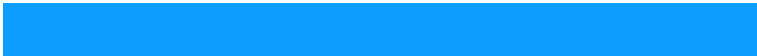
1.8070, 0.5484, 0.4027

Inverse Universe

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



38.2701, 0.2005, 0.2211



31.5399, 0.1884, 0.1959



12.9179, 0.1683, 0.0987



19.1812, 0.2979, 0.3192



15.8448, 0.1864, 0.1909



1.7571, 0.1912, 0.2082

Previews

White Background



This preview shows how the Yxy color 38.8543, 0.5173, 0.3975 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 38.8543, 0.5173, 0.3975 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 38.8543, 0.5173, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 38.8543, 0.5173, 0.3975.



This preview shows how white text looks on a background with the Yxy color 38.8543, 0.5173, 0.3975.

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

38.8543, 0.5173, 0.3975

Protanopia

38.9289, 0.4180, 0.4598

Deuteranopia

38.8424, 0.4592, 0.4486



Tritanopia

38.7667, 0.4441, 0.3212

Trichromacy



Original Color

38.8543, 0.5173, 0.3975

Protanomaly

38.1002, 0.4556, 0.4355

Deuteranomaly

38.3653, 0.4818, 0.4285

Tritanomaly

38.5541, 0.4764, 0.3531

Monochromacy



Original Color

38.8543, 0.5173, 0.3975

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6223, 0.3880, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8543, 0.5173, 0.3975 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, 135, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 54)  
}
```

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, 135, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 54) }
```

Border

The CSS property to change the border of an element to Yxy 38.8543, 0.5173, 0.3975 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, 135, 54) }
```

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

```
.border{ border-color:rgb(255, 135, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8543, 0.5173, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 54) }
```

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

```
.background{ background-color: rgb(255,  
135, 54) }
```

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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