

Converting Colors

$Y_{xy}(38.8945, 0.5145, 0.3949)$

Have a look what the booklet for
Yxy(38.8945, 0.5145, 0.3949)
contains.

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Color

Yxy(38.9037, 0.5143, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	FF873B
RGB	255, 135, 59
RGB Percent	100%, 53%, 23%
CMY	0.0000, 0.4705, 0.7688
CMYK	0.00, 0.47, 0.77, 0.00
HSL	23°, 100%, 62%
HSV	23°, 77%, 100%
XYZ	50.6921, 38.9037, 8.9694
YIQ	162.2160, 95.9160, 1.8040

Conversions

Conversions Part 2

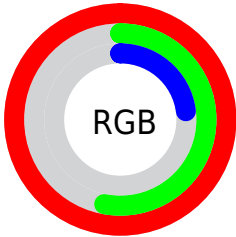
Format	Color
R_{YB}	255, 183, 59
Decimal	16746299
CIE _{Lab}	68.68, 40.47, 58.98
CIE _{LCh}	69, 71.532, 55.540
Yxy	38.9037, 0.5143, 0.3947
Android (android.graphics.Color)	4294936379 (0xFFFF873B)
YUV	162.2160, -50.8855, 81.3716
Hunter-Lab	62.3728, 35.9194, 35.1349

Details

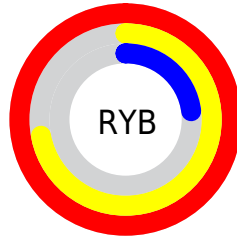
The Yxy color **38.9037, 0.5143, 0.3947** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **40.3678, 0.2034, 0.2283**, and the grayscale version is **36.4474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2346, 0.4314, 0.4087**, and **17.3930, 0.5609, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **34.6617, 0.5445, 0.3919**, and if you desaturate by 10%, it is **43.9174, 0.4813, 0.3925**.

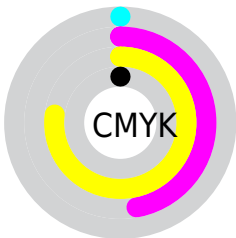
Distribution



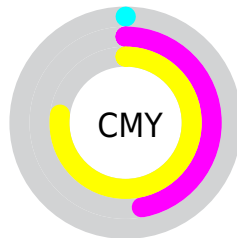
- Red (100%)
- Green (53%)
- Blue (23%)



- Red (100%)
- Yellow (72%)
- Blue (23%)



- Cyan (0%)
- Magenta (47%)
- Yellow (77%)
- Black (0%)




- Cyan (0%)
- Magenta (47%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9037, 0.5143, 0.3947 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 38.9037, 0.5143, 0.3947 by changing the saturation by 10% instead.

 38.9037, 0.5143,
0.3947


 38.9037, 0.5143,
0.3947


341.4809, 0.4152,
0.3734


 26.6848, 0.5361,
0.3954


 73.4912, 0.4800,
0.3903


 17.3367, 0.5617,
0.3935


 96.6286, 0.4665,
0.3876


 10.4748, 0.5925,
0.3875


 124.1743, 0.4549,
0.3849

 5.7149, 0.6275,
0.3725

 156.5126, 0.4448,
0.3823

 2.6725, 0.6611,
0.3389

 194.0281, 0.4360,
0.3799

 0.9632, 0.7143,
0.2857

 237.1050, 0.4282,

 0.0000, 1.0000,

0.3775

0.0000

286.1278, 0.4214,
0.3754

■ 0.0000, 0.0000,
0.0000

■ 38.9037, 0.5143,
0.3947

■ 38.9037, 0.5143,
0.3947

■ 34.6617, 0.5445,
0.3919

■ 43.9174, 0.4813,
0.3925

■ 31.1365, 0.5695,
0.3837

■ 49.7390, 0.4483,
0.3863

■ 30.1686, 0.5764,
0.3805

■ 56.4094, 0.4171,
0.3775

■ 63.9642, 0.3889,
0.3672

■ 72.4370, 0.3640,
0.3565

81.8592, 0.3424,
0.3458

92.2606, 0.3239,
0.3356

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



38.9037, 0.5024, 0.3243



38.9037, 0.5143, 0.3947



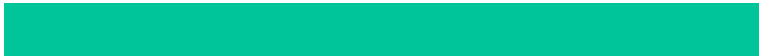
38.9037, 0.4647, 0.4672

Triad

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



38.9037, 0.5143, 0.3947



38.9037, 0.2009, 0.4058



38.9037, 0.2213, 0.1826

Complementary

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



38.9037, 0.5143, 0.3947



40.3678, 0.2034, 0.2283

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.



38.9037, 0.1651, 0.1819



38.9037, 0.5143, 0.3947



38.9037, 0.1530, 0.2886

Square

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



38.9037, 0.5143, 0.3947



38.9037, 0.2842, 0.5073



38.9037, 0.1427, 0.2136



38.9037, 0.3131, 0.2102

Rectangle

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



38.9037, 0.5143, 0.3947



38.9037, 0.4107, 0.5079



38.9037, 0.1427, 0.2136



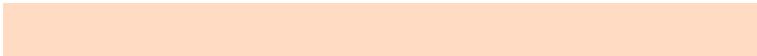
38.9037, 0.1986, 0.1792

Sweetspot

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



38.9058, 0.5143, 0.3947



75.9780, 0.3552, 0.3523



27.6727, 0.4100, 0.2224



15.5557, 0.3634, 0.3562



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.



38.9058, 0.5143, 0.3947



32.7704, 0.5581, 0.3883



79.3595, 0.4272, 0.4781



19.1425, 0.3285, 0.3383



16.0321, 0.5734, 0.3829



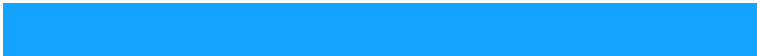
1.7654, 0.5523, 0.3996

Inverse Universe

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



40.3678, 0.2034, 0.2283



33.9204, 0.1916, 0.2055



14.1577, 0.1717, 0.1063



19.2288, 0.2979, 0.3196



16.5086, 0.1879, 0.1963



1.8196, 0.1925, 0.2130

Previews

White Background



This preview shows how the Yxy color 38.9037, 0.5143, 0.3947 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 38.9037, 0.5143, 0.3947 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 38.9037, 0.5143, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 38.9037, 0.5143, 0.3947.



This preview shows how white text looks on a background with the Yxy color 38.9037, 0.5143, 0.3947.

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

38.9037, 0.5143, 0.3947

Protanopia

38.9874, 0.4149, 0.4552

Deuteranopia

38.8842, 0.4567, 0.4455



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.9037, 0.5143, 0.3947

Protanomaly

38.1556, 0.4524, 0.4316

Deuteranomaly

38.4099, 0.4790, 0.4254

Tritanomaly

38.5967, 0.4743, 0.3512

Monochromacy



Original Color

38.9037, 0.5143, 0.3947

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6729, 0.3859, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9037, 0.5143, 0.3947 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 59) }
```

Border

The CSS property to change the border of an element to Yxy 38.9037, 0.5143, 0.3947 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, 59) }
```

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

```
.border{ border-color:rgb(255, 135, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9037, 0.5143, 0.3947 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, 59) }
```

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

```
.background{ background-color: rgb(255,  
135, 59) }
```

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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