

Converting Colors

$Y_{xy}(35.4844, 0.5404, 0.3946)$

Have a look what the booklet for
Yxy(35.4844, 0.5404, 0.3946)
contains.

Yxy(35.5473, 0.5399, 0.3947)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.5473, 0.5399, 0.3947)

Conversions

Conversions Part 1

Format	Color
Hex	FF7B23
RGB	255, 123, 35
RGB Percent	100%, 48%, 14%
CMY	0.0000, 0.5176, 0.8627
CMYK	0.00, 0.52, 0.86, 0.00
HSL	24°, 100%, 57%
HSV	24°, 86%, 100%
XYZ	48.6242, 35.5473, 5.8900
YIQ	152.4360, 106.9200, 0.6160

Conversions

Conversions Part 2

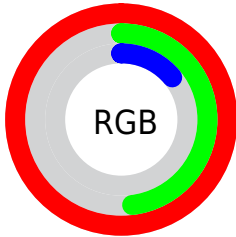
Format	Color
R _Y B	255, 182, 35
Decimal	16743203
CIE Lab	66.17, 45.70, 66.04
CIE LCh	66, 80.308, 55.316
Yxy	35.5473, 0.5399, 0.3947
Android (android.graphics.Color)	4294933283 (0xFFFF7B23)
YUV	152.4360, -57.8959, 89.9486
Hunter-Lab	59.6216, 41.2376, 35.8778

Details

The Yxy color **35.5473, 0.5399, 0.3947** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **35.2134, 0.1944, 0.2103**, and the grayscale version is **31.8218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8390, 0.4546, 0.4148**, and **15.4567, 0.5793, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **31.9444, 0.5648, 0.3870**, and if you desaturate by 10%, it is **39.8570, 0.5100, 0.3970**.

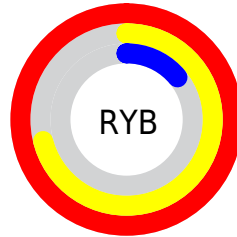
Distribution



Red (100%)

Green (48%)

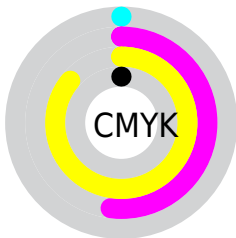
Blue (14%)



Red (100%)

Yellow (71%)

Blue (14%)

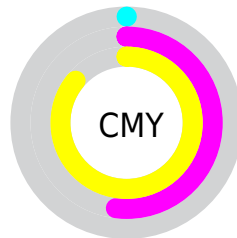


Cyan (0%)

Magenta (52%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5473, 0.5399, 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 35.5473, 0.5399, 0.3947 by changing the saturation by 10% instead.


 35.5473, 0.5399,
0.3947


 35.5473, 0.5399,
0.3947


 326.9775, 0.4293,
0.3775

 24.0848, 0.5631,
0.3927


 68.3328, 0.5024,
0.3931

 15.3965, 0.5895,
0.3867


 90.4245, 0.4873,
0.3910


 9.0981, 0.6234,
0.3766


 116.8281, 0.4743,
0.3888

 4.8053, 0.6507,
0.3493

 147.9279, 0.4629,
0.3864

 2.1335, 0.6908,
0.3092

 184.1083, 0.4529,
0.3840

 0.6833, 0.7583,
0.2417

 225.7538, 0.4441,

 0.0000, 1.0000,

0.3817

0.0000

273.2488, 0.4363,
0.3796

■ 0.0000, 0.0000,
0.0000

■ 35.5473, 0.5399,
0.3947

■ 35.5473, 0.5399,
0.3947

■ 31.9444, 0.5648,
0.3870

■ 39.8570, 0.5100,
0.3970


■ 30.7615, 0.5730,
0.3833

■ 44.9138, 0.4776,
0.3942


■ 50.7602, 0.4452,
0.3875

■ 57.4331, 0.4146,
0.3783

■ 64.9665, 0.3868,
0.3677

 73.3925, 0.3624,
0.3567

 82.7412, 0.3411,
0.3457

 93.0411, 0.3228,
0.3352

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



35.5473, 0.5302, 0.3188



35.5473, 0.5399, 0.3947



35.5473, 0.4796, 0.4776

Triad

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



35.5473, 0.5399, 0.3947



35.5473, 0.1848, 0.4192



35.5473, 0.2084, 0.1661

Complementary

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



35.5473, 0.5399, 0.3947



35.2134, 0.1944, 0.2103

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.



35.5473, 0.1480, 0.1647



35.5473, 0.5399, 0.3947



35.5473, 0.1340, 0.2805

Square

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



35.5473, 0.5399, 0.3947



35.5473, 0.2766, 0.5404



35.5473, 0.1241, 0.1977



35.5473, 0.3109, 0.1958

Rectangle

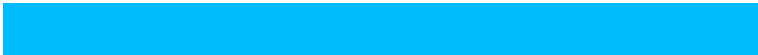
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.5473, 0.5399, 0.3947



35.5473, 0.4176, 0.5288



35.5473, 0.1241, 0.1977



35.5473, 0.1837, 0.1623

Sweetspot

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



35.5493, 0.5399, 0.3947



73.6350, 0.3618, 0.3564



25.2517, 0.4323, 0.2236



15.1123, 0.3698, 0.3602



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.



35.5493, 0.5399, 0.3947



30.7641, 0.5730, 0.3833



79.6539, 0.4321, 0.4870



19.1795, 0.3284, 0.3386



16.3476, 0.5700, 0.3856



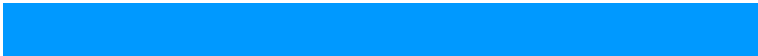
1.7985, 0.5492, 0.4021

Inverse Universe

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



35.2134, 0.1944, 0.2103



30.0003, 0.1860, 0.1895



10.5051, 0.1600, 0.0832



19.1907, 0.2979, 0.3193



15.9760, 0.1867, 0.1920



1.7695, 0.1915, 0.2092

Previews

White Background



This preview shows how the Yxy color 35.5473, 0.5399, 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 35.5473, 0.5399, 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 35.5473, 0.5399, 0.3947

Background



This preview shows how black text looks on a background with the Yxy color 35.5473, 0.5399, 0.3947.



This preview shows how white text looks on a background with the Yxy color 35.5473, 0.5399, 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

35.5473, 0.5399, 0.3947

Protanopia

35.8539, 0.4270, 0.4718

Deuteranopia

35.6515, 0.4699, 0.4606



Tritanopia

35.4632, 0.4651, 0.3215

Trichromacy



Original Color

35.5473, 0.5399, 0.3947

Protanomaly

34.7498, 0.4707, 0.4421

Deuteranomaly

35.0919, 0.4984, 0.4346

Tritanomaly

35.2264, 0.5012, 0.3548

Monochromacy



Original Color

35.5473, 0.5399, 0.3947

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9727, 0.4012, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5473, 0.5399, 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, 123, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 35)  
}
```

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, 123, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 35) }
```

Border

The CSS property to change the border of an element to Yxy 35.5473, 0.5399, 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, 123, 35) }
```

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

```
.border{ border-color:rgb(255, 123, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5473, 0.5399, 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, 123, 35) }
```

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

```
.background{ background-color: rgb(255,  
123, 35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor