

Converting Colors

Yxy(36.0635, 0.5254, 0.3849)

Have a look what the booklet for
Yxy(36.0635, 0.5254, 0.3849)
contains.

Yxy(35.9808, 0.5261, 0.3846)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.9808, 0.5261, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	FF7C3A
RGB	255, 124, 58
RGB Percent	100%, 49%, 23%
CMY	0.0000, 0.5138, 0.7725
CMYK	0.00, 0.51, 0.77, 0.00
HSL	20°, 100%, 61%
HSV	20°, 77%, 100%
XYZ	49.2187, 35.9808, 8.3544
YIQ	155.6450, 99.2620, 7.2460

Conversions

Conversions Part 2

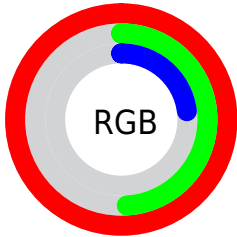
Format	Color
R _Y B	255, 157, 58
Decimal	16743482
CIE Lab	66.51, 45.89, 57.26
CIE LCh	67, 73.382, 51.294
Yxy	35.9808, 0.5261, 0.3846
Android (android.graphics.Color)	4294933562 (0xFFFF7C3A)
YUV	155.6450, -48.1390, 87.1343
Hunter-Lab	59.9840, 41.4926, 33.7311

Details

The Yxy color **35.9808, 0.5261, 0.3846** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.5224, 0.2068, 0.2423**, and the grayscale version is **33.2610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6043, 0.4402, 0.3998**, and **15.5828, 0.5779, 0.3793** is the 20% darker color. If you saturate the color by 10%, you get **31.8886, 0.5584, 0.3808**, and if you desaturate by 10%, it is **40.9265, 0.4906, 0.3836**.

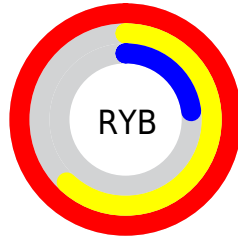
Distribution



Red (100%)

Green (49%)

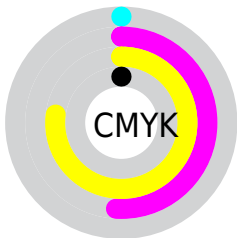
Blue (23%)



Red (100%)

Yellow (62%)

Blue (23%)

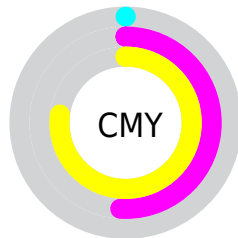


Cyan (0%)

Magenta (51%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9808, 0.5261, 0.3846 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 35.9808, 0.5261, 0.3846 by changing the saturation by 10% instead.


 35.9808, 0.5261,
0.3846


 35.9808, 0.5261,
0.3846


328.8766, 0.4196,
0.3689

 24.4194, 0.5499,
0.3836


 69.0024, 0.4889,
0.3824

 15.6450, 0.5781,
0.3794


 91.2314, 0.4744,
0.3805


 9.2733, 0.6133,
0.3708


 117.7850, 0.4619,
0.3785

 4.9199, 0.6502,
0.3498

 149.0477, 0.4511,
0.3764

 2.2003, 0.6898,
0.3102

 185.4038, 0.4417,
0.3744

 0.7202, 0.7549,
0.2451

 227.2377, 0.4334,

 0.0000, 1.0000,

0.3725

0.0000

274.9339, 0.4261,
0.3706

■ 0.0000, 0.0000,
0.0000

■ 35.9808, 0.5261,
0.3846

■ 35.9808, 0.5261,
0.3846

■ 31.8886, 0.5584,
0.3808

■ 40.9265, 0.4906,
0.3836

■ 28.5996, 0.5845,
0.3719


■ 46.7859, 0.4550,
0.3787

■ 27.8220, 0.5907,
0.3692

■ 53.6028, 0.4217,
0.3713

■ 61.4202, 0.3919,
0.3625

■ 70.2785, 0.3658,
0.3532

 80.2156, 0.3435,
0.3439

 91.2675, 0.3246,
0.3351

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.



35.9808, 0.5041, 0.3130



35.9808, 0.5261, 0.3846



35.9808, 0.4802, 0.4607

Triad

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



35.9808, 0.5261, 0.3846



35.9808, 0.2055, 0.4287



35.9808, 0.2066, 0.1750

Complementary

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



35.9808, 0.5261, 0.3846



44.5224, 0.2068, 0.2423

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.



35.9808, 0.1540, 0.1782



35.9808, 0.5261, 0.3846



35.9808, 0.1507, 0.3009

Square

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



35.9808, 0.5261, 0.3846



35.9808, 0.2955, 0.5264



35.9808, 0.1356, 0.2159



35.9808, 0.2971, 0.1997

Rectangle

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



35.9808, 0.5261, 0.3846



35.9808, 0.4261, 0.5073



35.9808, 0.1356, 0.2159



35.9808, 0.1849, 0.1728

Sweetspot

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



35.9779, 0.5261, 0.3846



74.3705, 0.3559, 0.3492



27.9754, 0.3969, 0.2136



15.1716, 0.3643, 0.3526



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.



35.9779, 0.5261, 0.3846



29.9049, 0.5743, 0.3762



73.8972, 0.4349, 0.4715



18.9811, 0.3286, 0.3370



14.7822, 0.5877, 0.3715



1.6310, 0.5658, 0.3889

Inverse Universe

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



44.5224, 0.2068, 0.2423



38.2284, 0.1959, 0.2220



15.5742, 0.1736, 0.1150



19.3962, 0.2980, 0.3208



19.0009, 0.1932, 0.2153



2.0516, 0.1972, 0.2298

Previews

White Background



This preview shows how the Yxy color 35.9808, 0.5261, 0.3846 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 35.9808, 0.5261, 0.3846 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 35.9808, 0.5261, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 35.9808, 0.5261, 0.3846.



This preview shows how white text looks on a background with the Yxy color 35.9808, 0.5261, 0.3846.

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

35.9808, 0.5261, 0.3846

Protanopia

35.9736, 0.4121, 0.4517

Deuteranopia

36.0295, 0.4553, 0.4465



Tritanopia

35.9600, 0.4627, 0.3224

Trichromacy



Original Color

35.9808, 0.5261, 0.3846

Protanomaly

34.8269, 0.4554, 0.4254

Deuteranomaly

35.4225, 0.4833, 0.4220

Tritanomaly

35.8743, 0.4902, 0.3487

Monochromacy



Original Color

35.9808, 0.5261, 0.3846

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.5091, 0.3909, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9808, 0.5261, 0.3846 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, 124, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 58)  
}
```

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, 124, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 58) }
```

Border

The CSS property to change the border of an element to Yxy 35.9808, 0.5261, 0.3846 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, 124, 58) }
```

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

```
.border{ border-color:rgb(255, 124, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 124, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
58) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 35.9808, 0.5261, 0.3846$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 58) }
```

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

```
.background{ background-color: rgb(255,  
124, 58) }
```

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