

Converting Colors

$Y_{xy}(34.6972, 0.5357, 0.3838)$

Have a look what the booklet for
Yxy(34.6972, 0.5357, 0.3838)
contains.

Yxy(34.6927, 0.5358, 0.3838)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6927, 0.5358, 0.3838)

Conversions

Conversions Part 1

Format	Color
Hex	FF7733
RGB	255, 119, 51
RGB Percent	100%, 47%, 20%
CMY	0.0000, 0.5333, 0.8003
CMYK	0.00, 0.53, 0.80, 0.00
HSL	20°, 100%, 60%
HSV	20°, 80%, 100%
XYZ	48.4324, 34.6927, 7.2676
YIQ	151.9120, 102.8840, 7.6840

Conversions

Conversions Part 2

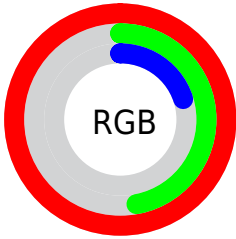
Format	Color
R_{YB}	255, 153, 51
Decimal	16742195
CIE _{Lab}	65.51, 48.03, 59.40
CIE _{LCh}	66, 76.394, 51.041
Yxy	34.6927, 0.5358, 0.3838
Android (android.graphics.Color)	4294932275 (0xFFFF7733)
YUV	151.9120, -49.7496, 90.4082
Hunter-Lab	58.9005, 43.7001, 33.9147

Details

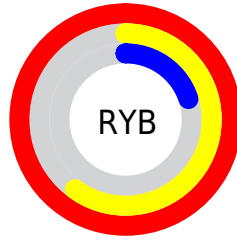
The Yxy color **34.6927, 0.5358, 0.3838** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.4264, 0.2046, 0.2391**, and the grayscale version is **31.5441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5114, 0.4483, 0.4002**, and **14.9728, 0.5849, 0.3737** is the 20% darker color. If you saturate the color by 10%, you get **30.8383, 0.5667, 0.3785**, and if you desaturate by 10%, it is **39.3971, 0.5007, 0.3841**.

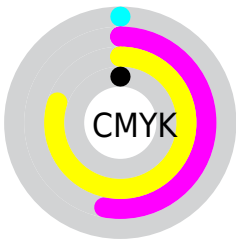
Distribution



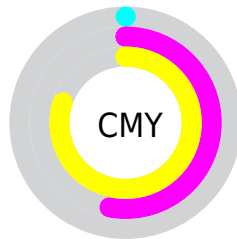
- Red (100%)
- Green (47%)
- Blue (20%)



- Red (100%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6927, 0.5358, 0.3838 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 34.6927, 0.5358, 0.3838 by changing the saturation by 10% instead.


 34.6927, 0.5358,
0.3838


 34.6927, 0.5358,
0.3838


323.2098, 0.4246,
0.3699


 23.4263, 0.5604,
0.3818


 67.0094, 0.4972,
0.3827


 14.9086, 0.5891,
0.3761


 88.8285, 0.4820,
0.3811

 8.7552, 0.6277,
0.3670

 114.9339, 0.4690,
0.3792

 4.5819, 0.6599,
0.3401

 145.7101, 0.4577,
0.3772

 2.0041, 0.7022,
0.2978

 181.5413, 0.4478,
0.3753

 0.6098, 0.7766,
0.2234

 222.8121, 0.4391,

 0.0000, 1.0000,

0.3734

0.0000

269.9068, 0.4314,
0.3716

■ 0.0000, 0.0000,
0.0000

■ 34.6927, 0.5358,
0.3838

■ 34.6927, 0.5358,
0.3838

■ 30.8383, 0.5667,
0.3785

■ 39.3971, 0.5007,
0.3841

■ 27.7679, 0.5911,
0.3689

■ 44.9991, 0.4649,
0.3802

■ 51.5487, 0.4308,
0.3734

■ 59.0902, 0.3998,
0.3649

■ 67.6648, 0.3727,
0.3557

77.3111, 0.3494,
0.3464

88.0659, 0.3295,
0.3374

99.9639, 0.3128,
0.3290

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



34.6927, 0.5135, 0.3104



34.6927, 0.5358, 0.3838



34.6927, 0.4866, 0.4633

Triad

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



34.6927, 0.5358, 0.3838



34.6927, 0.2005, 0.4357



34.6927, 0.2012, 0.1689

Complementary

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



34.6927, 0.5358, 0.3838



43.4264, 0.2046, 0.2391

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.



34.6927, 0.1475, 0.1721



34.6927, 0.5358, 0.3838



34.6927, 0.1441, 0.2994

Square

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



34.6927, 0.5358, 0.3838



34.6927, 0.2938, 0.5389



34.6927, 0.1288, 0.2107



34.6927, 0.2949, 0.1942

Rectangle

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



34.6927, 0.5358, 0.3838



34.6927, 0.4297, 0.5136



34.6927, 0.1288, 0.2107



34.6927, 0.1790, 0.1666

Sweetspot

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



34.6946, 0.5358, 0.3838



73.3496, 0.3582, 0.3501



27.2078, 0.4010, 0.2123



14.9705, 0.3666, 0.3534



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.



34.6946, 0.5358, 0.3838



28.9145, 0.5819, 0.3730



73.2031, 0.4379, 0.4736



18.9771, 0.3286, 0.3370



14.7538, 0.5881, 0.3712



1.6279, 0.5662, 0.3887

Inverse Universe

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



43.4264, 0.2046, 0.2391



37.2989, 0.1946, 0.2187



14.4098, 0.1700, 0.1081



19.4004, 0.2980, 0.3209



19.0662, 0.1933, 0.2158



2.0576, 0.1973, 0.2302

Previews

White Background



This preview shows how the Yxy color 34.6927, 0.5358, 0.3838 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 34.6927, 0.5358, 0.3838 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 34.6927, 0.5358, 0.3838

Background



This preview shows how black text looks on a background with the Yxy color 34.6927, 0.5358, 0.3838.



This preview shows how white text looks on a background with the Yxy color 34.6927, 0.5358, 0.3838.

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

34.6927, 0.5358, 0.3838

Protanopia

34.9544, 0.4163, 0.4576

Deuteranopia

34.7039, 0.4611, 0.4503



Tritanopia

34.6751, 0.4717, 0.3226

Trichromacy



Original Color

34.6927, 0.5358, 0.3838

Protanomaly

33.6781, 0.4623, 0.4284

Deuteranomaly

34.0192, 0.4914, 0.4232

Tritanomaly

34.5953, 0.4994, 0.3483

Monochromacy



Original Color

34.6927, 0.5358, 0.3838

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.8128, 0.3951, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6927, 0.5358, 0.3838 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, 119, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 51)  
}
```

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, 119, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 51) }
```

Border

The CSS property to change the border of an element to Yxy 34.6927, 0.5358, 0.3838 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, 119, 51) }
```

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

```
.border{ border-color:rgb(255, 119, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6927, 0.5358, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 51) }
```

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

```
.background{ background-color: rgb(255,  
119, 51) }
```

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