

Converting Colors

Yxy(34.4720, 0.5367, 0.3829)

Have a look what the booklet for
Yxy(34.4720, 0.5367, 0.3829)
contains.

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Color

Yxy(34.4559, 0.5368, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	FF7633
RGB	255, 118, 51
RGB Percent	100%, 46%, 20%
CMY	0.0000, 0.5372, 0.8000
CMYK	0.00, 0.54, 0.80, 0.00
HSL	20°, 100%, 60%
HSV	20°, 80%, 100%
XYZ	48.3175, 34.4559, 7.2368
YIQ	151.3250, 103.1590, 8.2070

Conversions

Conversions Part 2

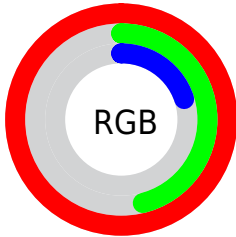
Format	Color
R_{YB}	255, 151, 51
Decimal	16741939
CIE _{Lab}	65.32, 48.52, 59.20
CIE _{LCh}	65, 76.541, 50.662
Yxy	34.4559, 0.5368, 0.3828
Android (android.graphics.Color)	4294932019 (0xFFFF7633)
YUV	151.3250, -49.4602, 90.9230
Hunter-Lab	58.6991, 44.2065, 33.7797

Details

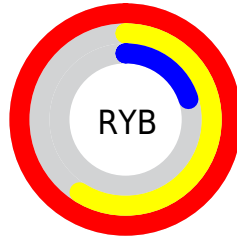
The Yxy color **34.4559, 0.5368, 0.3828** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.8925, 0.2050, 0.2406**, and the grayscale version is **31.2781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1064, 0.4498, 0.4001**, and **14.8570, 0.5863, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **30.6163, 0.5679, 0.3775**, and if you desaturate by 10%, it is **39.1531, 0.5015, 0.3832**.

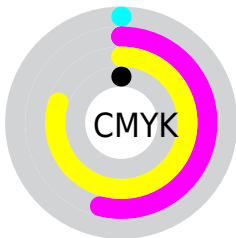
Distribution



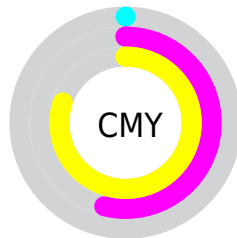
- Red (100%)
- Green (46%)
- Blue (20%)



- Red (100%)
- Yellow (59%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4559, 0.5368, 0.3828 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 34.4559, 0.5368, 0.3828 by changing the saturation by 10% instead.

 34.4559, 0.5368,
0.3828


 34.4559, 0.5368,
0.3828

322.1601, 0.4250,
0.3694


 23.2441, 0.5615,
0.3806


 66.6420, 0.4979,
0.3819


 14.7738, 0.5905,
0.3747


 88.3851, 0.4827,
0.3804


 8.6608, 0.6296,
0.3654


 114.4073, 0.4695,
0.3785

 4.5206, 0.6619,
0.3381

 145.0931, 0.4582,
0.3766

 1.9688, 0.7048,
0.2952

 180.8269, 0.4482,
0.3747

 0.5893, 0.7813,
0.2187

 221.9931, 0.4395,

 0.0000, 1.0000,

0.3729

0.0000

268.9760, 0.4318,
0.3711

■ 0.0000, 0.0000,
0.0000

■ 34.4559, 0.5368,
0.3828

■ 34.4559, 0.5368,
0.3828

■ 30.6163, 0.5679,
0.3775

■ 39.1531, 0.5015,
0.3832

■ 27.5626, 0.5924,
0.3678

■ 44.7588, 0.4654,
0.3794

■ 27.5616, 0.5924,
0.3678

■ 51.3232, 0.4311,
0.3727

■ 58.8913, 0.4000,
0.3643

■ 67.5052, 0.3728,
0.3552

77.2041, 0.3494,
0.3461

88.0254, 0.3295,
0.3373

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.



34.4559, 0.5135, 0.3093



34.4559, 0.5368, 0.3828



34.4559, 0.4880, 0.4625

Triad

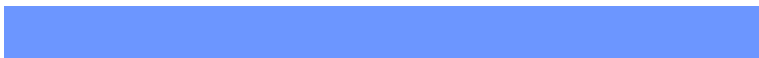
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.4559, 0.5368, 0.3828



34.4559, 0.2010, 0.4380



34.4559, 0.1998, 0.1683

Complementary

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



34.4559, 0.5368, 0.3828



43.8925, 0.2050, 0.2406

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.



34.4559, 0.1466, 0.1718



34.4559, 0.5368, 0.3828



34.4559, 0.1440, 0.3007

Square

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



34.4559, 0.5368, 0.3828



34.4559, 0.2949, 0.5405



34.4559, 0.1282, 0.2110



34.4559, 0.2934, 0.1933

Rectangle

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



34.4559, 0.5368, 0.3828



34.4559, 0.4311, 0.5133



34.4559, 0.1282, 0.2110



34.4559, 0.1778, 0.1661

Sweetspot

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



34.4570, 0.5368, 0.3828



73.1883, 0.3583, 0.3497



27.3638, 0.3963, 0.2095



14.9323, 0.3667, 0.3530



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.



34.4570, 0.5368, 0.3828



28.6960, 0.5832, 0.3719



71.4356, 0.4406, 0.4711



18.9613, 0.3286, 0.3369



14.6429, 0.5894, 0.3702



1.6156, 0.5675, 0.3876

Inverse Universe

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



43.8925, 0.2050, 0.2406



37.7911, 0.1951, 0.2205



14.9706, 0.1709, 0.1116



19.4169, 0.2980, 0.3210



19.3257, 0.1938, 0.2177



2.0815, 0.1977, 0.2318

Previews

White Background



This preview shows how the Yxy color 34.4559, 0.5368, 0.3828 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 34.4559, 0.5368, 0.3828 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 34.4559, 0.5368, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 34.4559, 0.5368, 0.3828.



This preview shows how white text looks on a background with the Yxy color 34.4559, 0.5368, 0.3828.

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

34.4559, 0.5368, 0.3828

Protanopia

34.4912, 0.4162, 0.4571

Deuteranopia

34.5658, 0.4601, 0.4509



Tritanopia

34.4263, 0.4736, 0.3226

Trichromacy



Original Color

34.4559, 0.5368, 0.3828

Protanomaly

33.2311, 0.4624, 0.4279

Deuteranomaly

33.8627, 0.4905, 0.4237

Tritanomaly

34.3477, 0.5012, 0.3482

Monochromacy



Original Color

34.4559, 0.5368, 0.3828

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.5219, 0.3957, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4559, 0.5368, 0.3828 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, 118, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 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, 118, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 51) }
```

Border

The CSS property to change the border of an element to Yxy 34.4559, 0.5368, 0.3828 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, 118, 51) }
```

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

```
.border{ border-color:rgb(255, 118, 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, 118, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4559, 0.5368, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 51) }
```

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

```
.background{ background-color: rgb(255,  
118, 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](#).

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