

Converting Colors

$Y_{xy}(34.5176, 0.5284, 0.3754)$

Have a look what the booklet for
Yxy(34.5176, 0.5284, 0.3754)
contains.

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Color

Yxy(34.5757, 0.5284, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	FF763F
RGB	255, 118, 63
RGB Percent	100%, 46%, 25%
CMY	0.0000, 0.5372, 0.7529
CMYK	0.00, 0.54, 0.75, 0.00
HSL	17°, 100%, 62%
HSV	17°, 75%, 100%
XYZ	48.6158, 34.5757, 8.8141
YIQ	152.6930, 99.3070, 11.9390

Conversions

Conversions Part 2

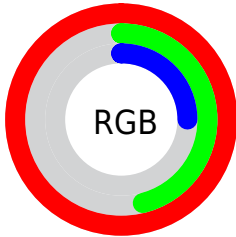
Format	Color
R _Y B	255, 140, 63
Decimal	16741951
CIE Lab	65.42, 48.93, 53.86
CIE LCh	65, 72.766, 47.743
Yxy	34.5757, 0.5284, 0.3758
Android (android.graphics.Color)	4294932031 (0xFFFF763F)
YUV	152.6930, -44.2186, 89.7232
Hunter-Lab	58.8011, 44.6788, 32.2734

Details

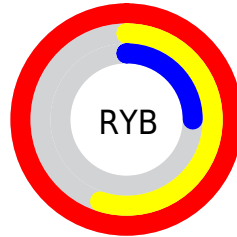
The Yxy color **34.5757, 0.5284, 0.3758** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **49.5825, 0.2119, 0.2578**, and the grayscale version is **31.8798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3620, 0.4403, 0.3893**, and **14.7651, 0.5837, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **30.4753, 0.5636, 0.3724**, and if you desaturate by 10%, it is **39.6383, 0.4903, 0.3748**.

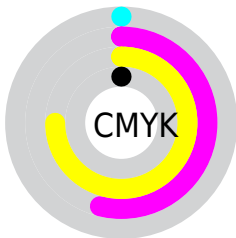
Distribution



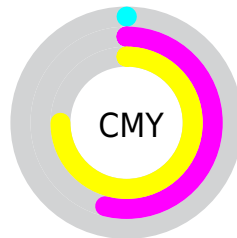
- Red (100%)
- Green (46%)
- Blue (25%)



- Red (100%)
- Yellow (55%)
- Blue (25%)



- Cyan (0%)
- Magenta (54%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5757, 0.5284, 0.3758 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 34.5757, 0.5284, 0.3758 by changing the saturation by 10% instead.


 34.5757, 0.5284,
0.3758


 34.5757, 0.5284,
0.3758


322.6915, 0.4193,
0.3640


 23.3362, 0.5534,
0.3740


 66.8279, 0.4899,
0.3749

 14.8420, 0.5833,
0.3690


 88.6095, 0.4749,
0.3735


 8.7085, 0.6204,
0.3588


 114.6738, 0.4622,
0.3719

 4.5516, 0.6628,
0.3372

 145.4054, 0.4512,
0.3702

 1.9866, 0.7057,
0.2943

 181.1885, 0.4416,
0.3686

 0.5997, 0.7813,
0.2187

222.4077, 0.4333,

 0.0000, 1.0000,

0.3670

0.0000

269.4472, 0.4259,
0.3654

■ 0.0000, 0.0000,
0.0000

■ 34.5757, 0.5284,
0.3758

■ 34.5757, 0.5284,
0.3758

■ 30.4753, 0.5636,
0.3724

■ 39.6383, 0.4903,
0.3748

■ 27.2638, 0.5919,
0.3643


■ 45.7173, 0.4529,
0.3704


■ 26.0323, 0.6027,
0.3596

■ 52.8694, 0.4185,
0.3639

■ 61.1448, 0.3881,
0.3562

■ 70.5908, 0.3620,
0.3482

 81.2516, 0.3399,
0.3403

 93.1691, 0.3213,
0.3328

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



34.5757, 0.4973, 0.3047



34.5757, 0.5284, 0.3758



34.5757, 0.4889, 0.4520

Triad

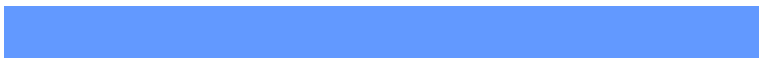
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.5757, 0.5284, 0.3758



34.5757, 0.2142, 0.4446



34.5757, 0.1979, 0.1733

Complementary

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



34.5757, 0.5284, 0.3758



49.5825, 0.2119, 0.2578

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.



34.5757, 0.1495, 0.1801



34.5757, 0.5284, 0.3758



34.5757, 0.1544, 0.3143

Square

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



34.5757, 0.5284, 0.3758



34.5757, 0.3071, 0.5326



34.5757, 0.1349, 0.2227



34.5757, 0.2844, 0.1950

Rectangle

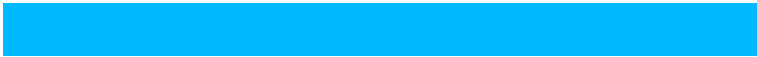
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.5757, 0.5284, 0.3758



34.5757, 0.4369, 0.5004



34.5757, 0.1349, 0.2227



34.5757, 0.1777, 0.1722

Sweetspot

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



34.5776, 0.5284, 0.3758



72.9269, 0.3566, 0.3464



29.0135, 0.3814, 0.2068



14.8279, 0.3652, 0.3493



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.



34.5776, 0.5284, 0.3758



28.8574, 0.5780, 0.3691



69.4089, 0.4400, 0.4625



18.8345, 0.3287, 0.3359



13.8214, 0.5998, 0.3619



1.5228, 0.5778, 0.3794

Inverse Universe

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



49.5825, 0.2119, 0.2578



43.9359, 0.2019, 0.2417



18.2990, 0.1791, 0.1305



19.5503, 0.2980, 0.3220



21.5103, 0.1980, 0.2327



2.2814, 0.2014, 0.2450

Previews

White Background



This preview shows how the Yxy color 34.5757, 0.5284, 0.3758 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 34.5757, 0.5284, 0.3758 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 34.5757, 0.5284, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 34.5757, 0.5284, 0.3758.



This preview shows how white text looks on a background with the Yxy color 34.5757, 0.5284, 0.3758.

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

34.5757, 0.5284, 0.3758

Protanopia

34.5344, 0.4060, 0.4441

Deuteranopia

34.5417, 0.4517, 0.4421



Tritanopia

34.6751, 0.4717, 0.3226

Trichromacy



Original Color

34.5757, 0.5284, 0.3758

Protanomaly

33.3806, 0.4527, 0.4164

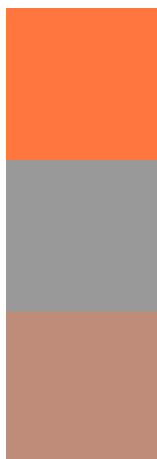
Deuteranomaly

33.8207, 0.4817, 0.4158

Tritanomaly

34.4416, 0.4957, 0.3437

Monochromacy



Original Color

34.5757, 0.5284, 0.3758

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.0594, 0.3907, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5757, 0.5284, 0.3758 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 63) }
```

Border

The CSS property to change the border of an element to Yxy 34.5757, 0.5284, 0.3758 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, 63) }
```

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

```
.border{ border-color:rgb(255, 118, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5757, 0.5284, 0.3758 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
118, 63) }
```

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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