

# Converting Colors

Yxy(50.3106, 0.5644, 0.3617)

Have a look what the booklet for  
Yxy(50.3106, 0.5644, 0.3617)  
contains.

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# Color

**Yxy(35.0518, 0.5264, 0.3777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF783F
RGB	255, 120, 63
RGB Percent	100%, 47%, 25%
CMY	0.0000, 0.5294, 0.7528
CMYK	0.00, 0.53, 0.75, 0.00
HSL	18°, 100%, 62%
HSV	18°, 75%, 100%
XYZ	48.8516, 35.0518, 8.8998
YIQ	153.8670, 98.7570, 10.8930

# Conversions

## Conversions Part 2

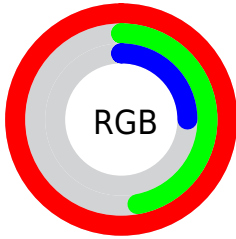
Format	Color
R <sub>Y</sub> B	255, 144, 63
Decimal	16742463
CIE Lab	65.79, 47.97, 54.22
CIE LCh	66, 72.396, 48.496
Yxy	35.0518, 0.5264, 0.3777
Android (android.graphics.Color)	4294932543 (0xFFFF783F)
YUV	153.8670, -44.7974, 88.6936
Hunter-Lab	59.2046, 43.6783, 32.5305

# Details

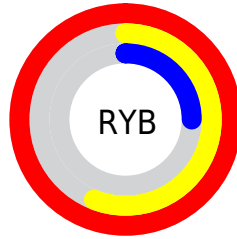
The Yxy color **35.0518, 0.5264, 0.3777** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **48.6739, 0.2112, 0.2550**, and the grayscale version is **32.4254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1348, 0.4390, 0.3913**, and **15.1126, 0.5797, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **30.9142, 0.5612, 0.3744**, and if you desaturate by 10%, it is **40.1328, 0.4888, 0.3765**.

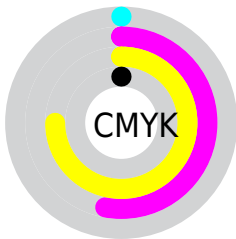
# Distribution



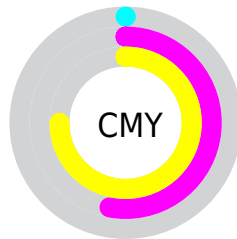
- Red (100%)
- Green (47%)
- Blue (25%)



- Red (100%)
- Yellow (56%)
- Blue (25%)



- Cyan (0%)
- Magenta (53%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0518, 0.5264, 0.3777 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 35.0518, 0.5264, 0.3777 by changing the saturation by 10% instead.





 35.0518, 0.5264,  
0.3777


 35.0518, 0.5264,  
0.3777


324.7969, 0.4186,  
0.3648


 23.7028, 0.5511,  
0.3762


 67.5660, 0.4884,  
0.3764

 15.1133, 0.5805,  
0.3716


 89.5000, 0.4736,  
0.3748

 8.8989, 0.6168,  
0.3619


 115.7311, 0.4610,  
0.3731

 4.6753, 0.6587,  
0.3413

 146.6437, 0.4502,  
0.3714

 2.0580, 0.7005,  
0.2995

 182.6221, 0.4407,  
0.3696

 0.6409, 0.7722,  
0.2278

224.0509, 0.4324,

 0.0000, 1.0000,

0.3679

0.0000

271.3144, 0.4251,  
0.3663

■ 0.0000, 0.0000,  
0.0000

■ 35.0518, 0.5264,  
0.3777

■ 35.0518, 0.5264,  
0.3777

■ 30.9142, 0.5612,  
0.3744

■ 40.1328, 0.4888,  
0.3765

■ 27.6490, 0.5894,  
0.3663

■ 46.2091, 0.4519,  
0.3719

■ 26.3830, 0.6003,  
0.3616

■ 53.3352, 0.4178,  
0.3651

■ 61.5599, 0.3877,  
0.3572

■ 70.9285, 0.3618,  
0.3489

81.4838, 0.3398,  
0.3407

93.2662, 0.3213,  
0.3329

99.9978, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.0518, 0.4973, 0.3068



35.0518, 0.5264, 0.3777



35.0518, 0.4861, 0.4534

# Triad

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



35.0518, 0.5264, 0.3777



35.0518, 0.2132, 0.4402



35.0518, 0.2005, 0.1746

# Complementary

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



35.0518, 0.5264, 0.3777



48.6739, 0.2112, 0.2550

# 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.



35.0518, 0.1514, 0.1806



35.0518, 0.5264, 0.3777



35.0518, 0.1547, 0.3117

# Square

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



35.0518, 0.5264, 0.3777



35.0518, 0.3049, 0.5295



35.0518, 0.1361, 0.2221



35.0518, 0.2873, 0.1968



# Rectangle

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



35.0518, 0.5264, 0.3777



35.0518, 0.4341, 0.5009



35.0518, 0.1361, 0.2221



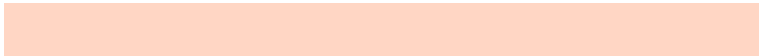
35.0518, 0.1801, 0.1733

# Sweetspot

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



35.0537, 0.5264, 0.3777



73.2321, 0.3564, 0.3470



29.0162, 0.3813, 0.2068



14.9005, 0.3650, 0.3500



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.



35.0537, 0.5264, 0.3777



29.2699, 0.5755, 0.3711



69.4074, 0.4400, 0.4625



18.8656, 0.3287, 0.3361



14.0118, 0.5973, 0.3639



1.5447, 0.5753, 0.3814

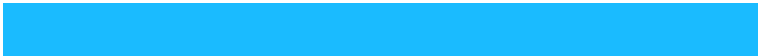


# Inverse Universe

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



48.6739, 0.2112, 0.2550



42.9240, 0.2010, 0.2383



18.3059, 0.1791, 0.1305



19.5174, 0.2980, 0.3218



20.9573, 0.1970, 0.2290



2.2310, 0.2005, 0.2418



# Previews

## White Background



This preview shows how the Yxy color 35.0518, 0.5264, 0.3777 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 35.0518, 0.5264, 0.3777 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 35.0518, 0.5264, 0.3777**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.0518, 0.5264, 0.3777.



This preview shows how white text looks on a background with the Yxy color 35.0518, 0.5264, 0.3777.

# 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

35.0518, 0.5264, 0.3777

### Protanopia

35.1146, 0.4073, 0.4442

### Deuteranopia

35.0022, 0.4516, 0.4426



## Tritanopia

34.9515, 0.4687, 0.3215

# Trichromacy



## Original Color

35.0518, 0.5264, 0.3777

## Protanomaly

33.8275, 0.4527, 0.4171

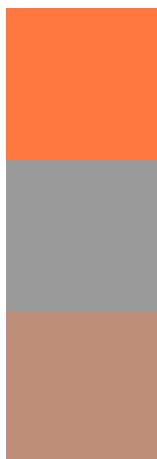
## Deuteranomaly

34.2672, 0.4816, 0.4164

## Tritanomaly

34.9222, 0.4931, 0.3448

# Monochromacy



## Original Color

35.0518, 0.5264, 0.3777

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

31.8028, 0.3897, 0.3581

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.0518, 0.5264, 0.3777 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, 120, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 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, 120, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 35.0518, 0.5264, 0.3777 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, 120, 63) }
```

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

```
.border{ border-color:rgb(255, 120, 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, 120, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
63) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 35.0518, 0.5264, 0.3777$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 63) }
```

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

```
.background{ background-color: rgb(255,  
120, 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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