

Converting Colors

$Y_{xy}(35.1066, 0.5210, 0.3730)$

Have a look what the booklet for
Yxy(35.1066, 0.5210, 0.3730)
contains.

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Color

Yxy(35.1351, 0.5209, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	FF7846
RGB	255, 120, 70
RGB Percent	100%, 47%, 27%
CMY	0.0000, 0.5294, 0.7254
CMYK	0.00, 0.53, 0.73, 0.00
HSL	16°, 100%, 64%
HSV	16°, 73%, 100%
XYZ	49.0667, 35.1351, 9.9942
YIQ	154.6650, 96.5100, 13.0700

Conversions

Conversions Part 2

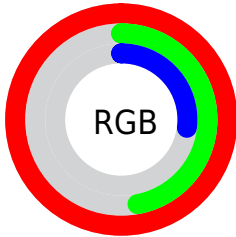
Format	Color
RYB	255, 139, 70
Decimal	16742470
CIELab	65.85, 48.28, 50.91
CIELCh	66, 70.164, 46.517
Yxy	35.1351, 0.5209, 0.3730
Android (android.graphics.Color)	4294932550 (0xFFFF7846)
YUV	154.6650, -41.7398, 87.9938
Hunter-Lab	59.2749, 44.0281, 31.4957

Details

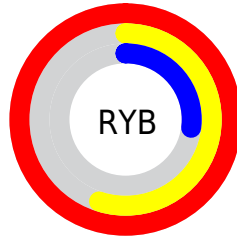
The Yxy color **35.1351, 0.5209, 0.3730** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **52.2009, 0.2152, 0.2649**, and the grayscale version is **32.7779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3004, 0.4333, 0.3847**, and **15.2713, 0.5753, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **30.8279, 0.5579, 0.3707**, and if you desaturate by 10%, it is **40.4474, 0.4819, 0.3713**.

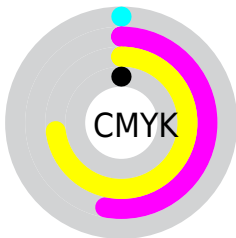
Distribution



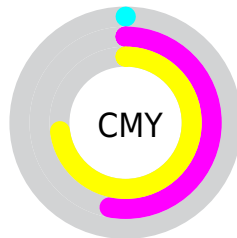
- Red (100%)
- Green (47%)
- Blue (27%)



- Red (100%)
- Yellow (55%)
- Blue (27%)



- Cyan (0%)
- Magenta (53%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1351, 0.5209, 0.3730 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 35.1351, 0.5209, 0.3730 by changing the saturation by 10% instead.


 35.1351, 0.5209,
0.3730


 35.1351, 0.5209,
0.3730


325.1643, 0.4151,
0.3614

 23.7670, 0.5456,
0.3717


 67.6950, 0.4833,
0.3718

 15.1608, 0.5754,
0.3675


 89.6556, 0.4688,
0.3704

 8.9323, 0.6116,
0.3579


 115.9157, 0.4564,
0.3689

 4.6971, 0.6594,
0.3406

 146.8599, 0.4458,
0.3673

 2.0706, 0.7012,
0.2988

 182.8724, 0.4366,
0.3657

 0.6480, 0.7724,
0.2276


224.3377, 0.4285,


 0.0000, 1.0000,


0.3642


0.0000

271.6402, 0.4214,
0.3627

 0.0000, 0.0000,
0.0000


 35.1351, 0.5209,
0.3730


 35.1351, 0.5209,
0.3730


 30.8279, 0.5579,
0.3707


 40.4474, 0.4819,
0.3713


 27.4588, 0.5888,
0.3638


 46.8290, 0.4445,
0.3665

 25.5021, 0.6064,
0.3567

 54.3357, 0.4105,
0.3600

 63.0198, 0.3809,
0.3526

 72.9304, 0.3557,
0.3450

 84.1134, 0.3345,
0.3377

 96.6127, 0.3167,
0.3307

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.



35.1351, 0.4871, 0.3036



35.1351, 0.5209, 0.3730



35.1351, 0.4863, 0.4466

Triad

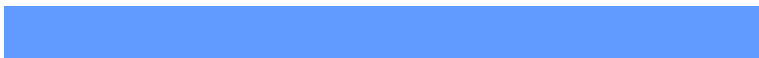
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.1351, 0.5209, 0.3730



35.1351, 0.2216, 0.4442



35.1351, 0.1992, 0.1777

Complementary

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



35.1351, 0.5209, 0.3730



52.2009, 0.2152, 0.2649

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.



35.1351, 0.1532, 0.1859



35.1351, 0.5209, 0.3730



35.1351, 0.1614, 0.3202

Square

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



35.1351, 0.5209, 0.3730



35.1351, 0.3125, 0.5248



35.1351, 0.1404, 0.2296



35.1351, 0.2816, 0.1978

Rectangle

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



35.1351, 0.5209, 0.3730



35.1351, 0.4375, 0.4929



35.1351, 0.1404, 0.2296



35.1351, 0.1800, 0.1771

Sweetspot

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



35.1343, 0.5209, 0.3730



73.4997, 0.3545, 0.3446



30.0841, 0.3742, 0.2064



15.1263, 0.3608, 0.3467



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.



35.1343, 0.5209, 0.3730



29.2134, 0.5727, 0.3682



68.7094, 0.4386, 0.4576



18.7852, 0.3288, 0.3355



13.5349, 0.6036, 0.3589



1.4894, 0.5817, 0.3763

Inverse Universe

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



52.2009, 0.2152, 0.2649



46.6073, 0.2050, 0.2500



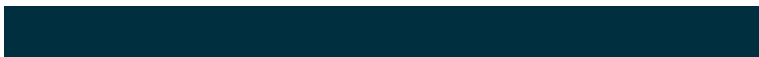
20.3752, 0.1840, 0.1415



19.6026, 0.2980, 0.3224



22.4080, 0.1996, 0.2386



2.3629, 0.2028, 0.2501

Previews

White Background



This preview shows how the Yxy color 35.1351, 0.5209, 0.3730 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 35.1351, 0.5209, 0.3730 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 35.1351, 0.5209, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 35.1351, 0.5209, 0.3730.



This preview shows how white text looks on a background with the Yxy color 35.1351, 0.5209, 0.3730.

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

35.1351, 0.5209, 0.3730

Protanopia

35.4614, 0.3994, 0.4366

Deuteranopia

35.0836, 0.4465, 0.4362



Tritanopia

35.1808, 0.4681, 0.3225

Trichromacy



Original Color

35.1351, 0.5209, 0.3730

Protanomaly

34.0870, 0.4450, 0.4119

Deuteranomaly

34.3535, 0.4759, 0.4103

Tritanomaly

34.9821, 0.4898, 0.3420

Monochromacy



Original Color

35.1351, 0.5209, 0.3730

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.8776, 0.3864, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1351, 0.5209, 0.3730 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 70) }
```

Border

The CSS property to change the border of an element to Yxy 35.1351, 0.5209, 0.3730 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, 70) }
```

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

```
.border{ border-color:rgb(255, 120, 70) }
```

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, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1351, 0.5209, 0.3730 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, 70) }
```

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

```
.background{ background-color: rgb(255,  
120, 70) }
```

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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