

Converting Colors

$Y_{xy}(35.0697, 0.5230, 0.3746)$

Have a look what the booklet for
Yxy(35.0697, 0.5230, 0.3746)
contains.

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Color

Yxy(35.1103, 0.5225, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	FF7844
RGB	255, 120, 68
RGB Percent	100%, 47%, 27%
CMY	0.0000, 0.5294, 0.7332
CMYK	0.00, 0.53, 0.73, 0.00
HSL	17°, 100%, 63%
HSV	17°, 73%, 100%
XYZ	48.9987, 35.1103, 9.6685
YIQ	154.4370, 97.1520, 12.4480

Conversions

Conversions Part 2

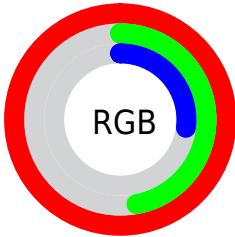
Format	Color
R _Y B	255, 140, 68
Decimal	16742468
CIE Lab	65.83, 48.18, 51.87
CIE LCh	66, 70.792, 47.110
Yxy	35.1103, 0.5225, 0.3744
Android (android.graphics.Color)	4294932548 (0xFFFF7844)
YUV	154.4370, -42.6134, 88.1938
Hunter-Lab	59.2539, 43.9123, 31.8034

Details

The Yxy color **35.1103, 0.5225, 0.3744** 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 **51.1681, 0.2141, 0.2621**, and the grayscale version is **32.6796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2519, 0.4349, 0.3867**, and **15.2644, 0.5765, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **30.8544, 0.5589, 0.3718**, and if you desaturate by 10%, it is **40.3567, 0.4839, 0.3728**.

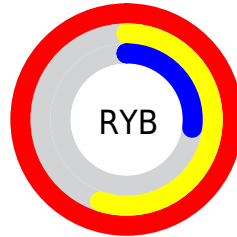
Distribution



Red (100%)

Green (47%)

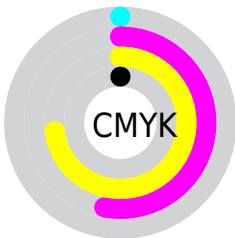
Blue (27%)



Red (100%)

Yellow (55%)

Blue (27%)

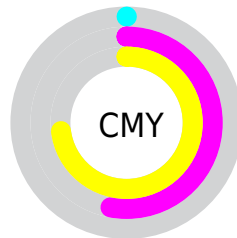


Cyan (0%)

Magenta (53%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1103, 0.5225, 0.3744 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 35.1103, 0.5225, 0.3744 by changing the saturation by 10% instead.


 35.1103, 0.5225,
0.3744


 35.1103, 0.5225,
0.3744


325.0549, 0.4161,
0.3624


 23.7479, 0.5472,
0.3731


 67.6566, 0.4847,
0.3731


 15.1467, 0.5769,
0.3687


 89.6093, 0.4702,
0.3717


 8.9224, 0.6131,
0.3590


 115.8608, 0.4578,
0.3701

 4.6906, 0.6592,
0.3408

 146.7955, 0.4471,
0.3685

 2.0669, 0.7010,
0.2990

 182.7979, 0.4378,
0.3668

 0.6459, 0.7723,
0.2277

224.2523, 0.4297,

 0.0000, 1.0000,

0.3653

0.0000

271.5432, 0.4225,
0.3638

■ 0.0000, 0.0000,
0.0000

■ 35.1103, 0.5225,
0.3744

■ 35.1103, 0.5225,
0.3744

■ 30.8544, 0.5589,
0.3718

■ 40.3567, 0.4839,
0.3728

■ 27.5151, 0.5890,
0.3646


■ 46.6484, 0.4466,
0.3681


■ 25.7515, 0.6047,
0.3581

■ 54.0427, 0.4126,
0.3615

■ 62.5908, 0.3828,
0.3539

■ 72.3406, 0.3574,
0.3461

 83.3371, 0.3360,
0.3385

 95.6231, 0.3180,
0.3313

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



35.1103, 0.4901, 0.3046



35.1103, 0.5225, 0.3744



35.1103, 0.4863, 0.4486

Triad

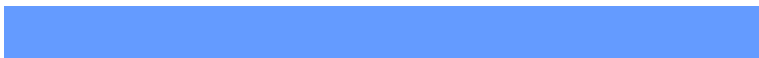
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.1103, 0.5225, 0.3744



35.1103, 0.2191, 0.4430



35.1103, 0.1996, 0.1768

Complementary

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



35.1103, 0.5225, 0.3744



51.1681, 0.2141, 0.2621

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.



35.1103, 0.1527, 0.1844



35.1103, 0.5225, 0.3744



35.1103, 0.1594, 0.3177

Square

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



35.1103, 0.5225, 0.3744



35.1103, 0.3103, 0.5261



35.1103, 0.1391, 0.2274



35.1103, 0.2833, 0.1975

Rectangle

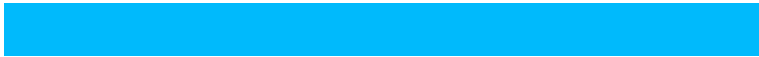
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1103, 0.5225, 0.3744



35.1103, 0.4365, 0.4952



35.1103, 0.1391, 0.2274



35.1103, 0.1800, 0.1760

Sweetspot

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



35.1122, 0.5225, 0.3744



73.7240, 0.3544, 0.3451



29.8113, 0.3751, 0.2058



15.1785, 0.3607, 0.3472



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.



35.1122, 0.5225, 0.3744



29.1834, 0.5740, 0.3690



68.4482, 0.4397, 0.4583



18.8090, 0.3287, 0.3357



13.6707, 0.6018, 0.3604



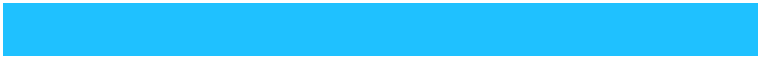
1.5053, 0.5798, 0.3778

Inverse Universe

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



51.1681, 0.2141, 0.2621



45.4737, 0.2038, 0.2465



19.9626, 0.1829, 0.1394



19.5774, 0.2980, 0.3222



21.9721, 0.1988, 0.2357



2.3234, 0.2021, 0.2477

Previews

White Background



This preview shows how the Yxy color 35.1103, 0.5225, 0.3744 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 35.1103, 0.5225, 0.3744 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 35.1103, 0.5225, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 35.1103, 0.5225, 0.3744.



This preview shows how white text looks on a background with the Yxy color 35.1103, 0.5225, 0.3744.

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

35.1103, 0.5225, 0.3744

Protanopia

35.4160, 0.4017, 0.4402

Deuteranopia

35.0621, 0.4479, 0.4379



Tritanopia

35.1808, 0.4681, 0.3225

Trichromacy



Original Color

35.1103, 0.5225, 0.3744

Protanomaly

34.0587, 0.4467, 0.4139

Deuteranomaly

34.3307, 0.4774, 0.4119

Tritanomaly

34.9619, 0.4909, 0.3429

Monochromacy



Original Color

35.1103, 0.5225, 0.3744

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.8524, 0.3875, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1103, 0.5225, 0.3744 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 68) }
```

Border

The CSS property to change the border of an element to Yxy 35.1103, 0.5225, 0.3744 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, 68) }
```

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

```
.border{ border-color:rgb(255, 120, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1103, 0.5225, 0.3744 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, 68) }
```

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

```
.background{ background-color: rgb(255,  
120, 68) }
```

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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