

Converting Colors

$Y_{xy}(45.0632, 0.5442, 0.3611)$

Have a look what the booklet for
Yxy(45.0632, 0.5442, 0.3611)
contains.

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Color

Yxy(35.4427, 0.5157, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	FF794B
RGB	255, 121, 75
RGB Percent	100%, 47%, 29%
CMY	0.0000, 0.5254, 0.7058
CMYK	0.00, 0.53, 0.71, 0.00
HSL	15°, 100%, 65%
HSV	15°, 71%, 100%
XYZ	49.3461, 35.4427, 10.8988
YIQ	155.8220, 94.6300, 14.1020

Conversions

Conversions Part 2

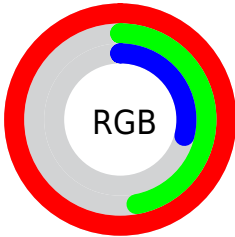
Format	Color
R_{YB}	255, 137, 75
Decimal	16742731
CIE _{Lab}	66.09, 48.02, 48.68
CIE _{LCh}	66, 68.373, 45.391
Yxy	35.4427, 0.5157, 0.3704
Android (android.graphics.Color)	4294932811 (0xFFFF794B)
YUV	155.8220, -39.8452, 86.9791
Hunter-Lab	59.5338, 43.7703, 30.8194

Details

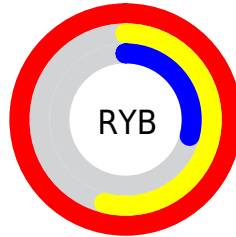
The Yxy color **35.4427, 0.5157, 0.3704** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **54.3138, 0.2178, 0.2704**, and the grayscale version is **33.3140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8170, 0.4284, 0.3809**, and **15.4198, 0.5692, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **30.9935, 0.5540, 0.3688**, and if you desaturate by 10%, it is **40.9433, 0.4762, 0.3683**.

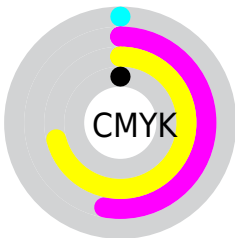
Distribution



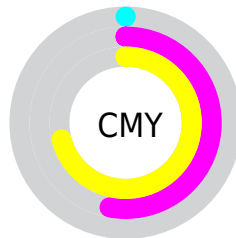
- Red (100%)
- Green (47%)
- Blue (29%)



- Red (100%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (53%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4427, 0.5157, 0.3704 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 35.4427, 0.5157, 0.3704 by changing the saturation by 10% instead.


 35.4427, 0.5157,
0.3704

 35.4427, 0.5157,
0.3704


326.5181, 0.4122,
0.3593

 24.0041, 0.5402,
0.3693

 68.1710, 0.4787,
0.3691

 15.3367, 0.5699,
0.3655


 90.2295, 0.4645,
0.3678

 9.0560, 0.6061,
0.3566


 116.5968, 0.4524,
0.3663

 4.7777, 0.6578,
0.3422

 147.6572, 0.4421,
0.3648

 2.1174, 0.6991,
0.3009

 183.7951, 0.4331,
0.3633

 0.6744, 0.7682,
0.2318

225.3950, 0.4252,

 0.0000, 1.0000,

0.3619

0.0000

272.8412, 0.4183,
0.3606

■ 0.0000, 0.0000,
0.0000

■ 35.4427, 0.5157,
0.3704

■ 35.4427, 0.5157,
0.3704

■ 30.9935, 0.5540,
0.3688

■ 40.9433, 0.4762,
0.3683

■ 27.5186, 0.5867,
0.3628


■ 47.5536, 0.4387,
0.3634

■ 25.0591, 0.6096,
0.3541

■ 55.3341, 0.4051,
0.3570

■ 64.3392, 0.3760,
0.3500

■ 74.6196, 0.3514,
0.3428

 86.2232, 0.3308,
0.3359

99.1953, 0.3136,
0.3294

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



35.4427, 0.4797, 0.3023



35.4427, 0.5157, 0.3704



35.4427, 0.4849, 0.4423

Triad

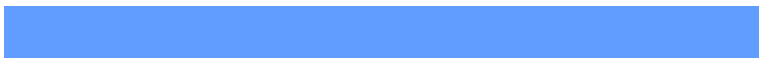
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.4427, 0.5157, 0.3704



35.4427, 0.2272, 0.4448



35.4427, 0.1996, 0.1807

Complementary

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



35.4427, 0.5157, 0.3704



54.3138, 0.2178, 0.2704

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.



35.4427, 0.1556, 0.1902



35.4427, 0.5157, 0.3704



35.4427, 0.1665, 0.3251

Square

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



35.4427, 0.5157, 0.3704



35.4427, 0.3169, 0.5198



35.4427, 0.1442, 0.2349



35.4427, 0.2790, 0.1994

Rectangle

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



35.4427, 0.5157, 0.3704



35.4427, 0.4384, 0.4874



35.4427, 0.1442, 0.2349



35.4427, 0.1811, 0.1805

Sweetspot

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



35.4446, 0.5157, 0.3704



74.1686, 0.3524, 0.3431



30.9457, 0.3684, 0.2058



15.2429, 0.3588, 0.3451



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.



35.4446, 0.5157, 0.3704



29.3444, 0.5694, 0.3667



67.8593, 0.4379, 0.4533



18.7415, 0.3288, 0.3351



13.2954, 0.6069, 0.3563



1.4610, 0.5851, 0.3736

Inverse Universe

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



54.3138, 0.2178, 0.2704



48.7616, 0.2073, 0.2565



22.1507, 0.1879, 0.1504



19.6492, 0.2980, 0.3228



23.2289, 0.2011, 0.2438



2.4371, 0.2041, 0.2546

Previews

White Background



This preview shows how the Yxy color 35.4427, 0.5157, 0.3704 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 35.4427, 0.5157, 0.3704 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 35.4427, 0.5157, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 35.4427, 0.5157, 0.3704.



This preview shows how white text looks on a background with the Yxy color 35.4427, 0.5157, 0.3704.

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

35.4427, 0.5157, 0.3704

Protanopia

35.5414, 0.3954, 0.4305

Deuteranopia

35.4792, 0.4414, 0.4319



Tritanopia

35.4378, 0.4663, 0.3225

Trichromacy



Original Color

35.4427, 0.5157, 0.3704

Protanomaly

34.1614, 0.4407, 0.4067

Deuteranomaly

34.7203, 0.4702, 0.4064

Tritanomaly

35.2575, 0.4868, 0.3411

Monochromacy



Original Color

35.4427, 0.5157, 0.3704

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.3837, 0.3837, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4427, 0.5157, 0.3704 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, 121, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 75)  
}
```

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, 121, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 75) }
```

Border

The CSS property to change the border of an element to Yxy 35.4427, 0.5157, 0.3704 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, 121, 75) }
```

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

```
.border{ border-color:rgb(255, 121, 75) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 121, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4427, 0.5157, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 75) }
```

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

```
.background{ background-color: rgb(255,  
121, 75) }
```

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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