

Converting Colors

$Y_{xy}(37.6556, 0.4930, 0.3373)$

Have a look what the booklet for
Yxy(37.6556, 0.4930, 0.3373)
contains.

Yxy(35.3210, 0.4834, 0.3382)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.3210, 0.4834, 0.3382)

Conversions

Conversions Part 1

Format	Color
Hex	FF766D
RGB	255, 118, 109
RGB Percent	100%, 46%, 43%
CMY	0.0000, 0.5373, 0.5724
CMYK	0.00, 0.54, 0.57, 0.00
HSL	4°, 100%, 71%
HSV	4°, 57%, 100%
XYZ	50.4854, 35.3210, 18.6318
YIQ	157.9370, 84.5410, 26.2450

Conversions

Conversions Part 2

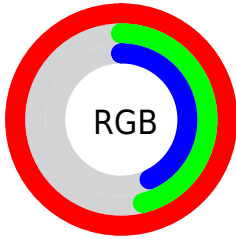
Format	Color
R _Y B	255, 119, 109
Decimal	16741997
CIE Lab	66.00, 51.49, 30.34
CIE LCh	66, 59.764, 30.508
Yxy	35.3210, 0.4834, 0.3382
Android (android.graphics.Color)	4294932077 (0xFFFF766D)
YUV	157.9370, -24.1259, 85.1243
Hunter-Lab	59.4315, 47.6258, 23.0146

Details

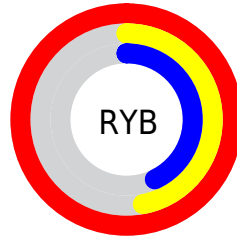
The Yxy color **35.3210, 0.4834, 0.3382** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **76.4064, 0.2388, 0.3183**, and the grayscale version is **34.2424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7203, 0.3985, 0.3419**, and **15.2294, 0.5362, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **29.9080, 0.5301, 0.3386**, and if you desaturate by 10%, it is **42.3193, 0.4399, 0.3370**.

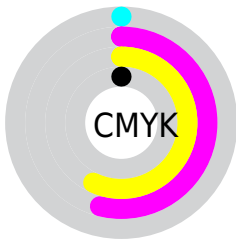
Distribution



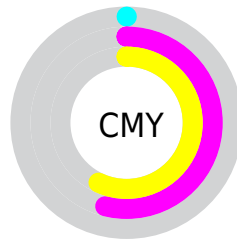
- Red (100%)
- Green (46%)
- Blue (43%)



- Red (100%)
- Yellow (47%)
- Blue (43%)



- Cyan (0%)
- Magenta (54%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3210, 0.4834, 0.3382 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 35.3210, 0.4834, 0.3382 by changing the saturation by 10% instead.


 35.3210, 0.4834,
0.3382


 35.3210, 0.4834,
0.3382


325.9829, 0.3941,
0.3390


 23.9103, 0.5062,
0.3360


 67.9828, 0.4504,
0.3399


 15.2671, 0.5353,
0.3320


 90.0025, 0.4381,
0.3401

 9.0070, 0.5734,
0.3244


 116.3275, 0.4278,
0.3401

 4.7458, 0.6240,
0.3098

 147.3419, 0.4190,
0.3400

 2.0989, 0.7111,
0.2889

183.4303, 0.4115,
0.3398

 0.6640, 0.7820,
0.2180

224.9770, 0.4049,

 0.0000, 1.0000,

0.3395

0.0000

272.3664, 0.3992,
0.3392

■ 0.0000, 0.0000,
0.0000

■ 35.3210, 0.4834,
0.3382

■ 35.3210, 0.4834,
0.3382

■ 29.9080, 0.5301,
0.3386

■ 42.3193, 0.4399,
0.3370

■ 25.9613, 0.5752,
0.3378

■ 51.0198, 0.4023,
0.3354

■ 23.3358, 0.6114,
0.3358

■ 61.5219, 0.3710,
0.3336

■ 21.8589, 0.6331,
0.3329

■ 73.9191, 0.3456,
0.3318

■ 21.6206, 0.6369,
0.3325

■ 88.2982, 0.3250,
0.3301

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.



35.3210, 0.4224, 0.2781



35.3210, 0.4834, 0.3382



35.3210, 0.4866, 0.4027

Triad

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



35.3210, 0.4834, 0.3382



35.3210, 0.2767, 0.4694



35.3210, 0.1876, 0.1965

Complementary

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



35.3210, 0.4834, 0.3382



76.4064, 0.2388, 0.3183

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.



35.3210, 0.1620, 0.2213



35.3210, 0.4834, 0.3382



35.3210, 0.2060, 0.3779

Square

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



35.3210, 0.4834, 0.3382



35.3210, 0.3620, 0.4985



35.3210, 0.1672, 0.2822



35.3210, 0.2443, 0.2008

Rectangle

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



35.3210, 0.4834, 0.3382



35.3210, 0.4592, 0.4448



35.3210, 0.1672, 0.2822



35.3210, 0.1757, 0.2012

Sweetspot

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



35.3191, 0.4834, 0.3382



74.2470, 0.3450, 0.3318



38.9616, 0.3257, 0.1995



15.3233, 0.3497, 0.3322



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.



35.3191, 0.4834, 0.3382



29.1130, 0.5384, 0.3385



58.8941, 0.4332, 0.4098



18.1659, 0.3293, 0.3305



11.3656, 0.6358, 0.3334



1.1666, 0.6260, 0.3412

Inverse Universe

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



76.4064, 0.2388, 0.3183



73.7035, 0.2300, 0.3158



41.0217, 0.2189, 0.2265



20.2790, 0.2980, 0.3275



36.2160, 0.2194, 0.3097



3.5818, 0.2200, 0.3120

Previews

White Background



This preview shows how the Yxy color 35.3210, 0.4834, 0.3382 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 35.3210, 0.4834, 0.3382 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 35.3210, 0.4834, 0.3382

Background



This preview shows how black text looks on a background with the Yxy color 35.3210, 0.4834, 0.3382.



This preview shows how white text looks on a background with the Yxy color 35.3210, 0.4834, 0.3382.

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

35.3210, 0.4834, 0.3382

Protanopia

35.3318, 0.3544, 0.3772

Deuteranopia

35.5598, 0.4046, 0.3969



Tritanopia

35.2060, 0.4669, 0.3215

Trichromacy



Original Color

35.3210, 0.4834, 0.3382

Protanomaly

34.1634, 0.4012, 0.3619

Deuteranomaly

34.6686, 0.4344, 0.3728

Tritanomaly

35.3145, 0.4723, 0.3275

Monochromacy



Original Color

35.3210, 0.4834, 0.3382

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

32.8758, 0.3705, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3210, 0.4834, 0.3382 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, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 109)  
}
```

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, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 109) }
```

Border

The CSS property to change the border of an element to Yxy 35.3210, 0.4834, 0.3382 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, 109) }
```

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

```
.border{ border-color:rgb(255, 118, 109) }
```

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, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 118, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 118, 109); box-shadow:4px 4px 4px 4px rgb(255, 118, 109) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3210, 0.4834, 0.3382 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, 109) }
```

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

```
.background{ background-color: rgb(255,  
118, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor