

Converting Colors

$Y_{xy}(35.0805, 0.4834, 0.3366)$

Have a look what the booklet for
Yxy(35.0805, 0.4834, 0.3366)
contains.

Yxy(35.1084, 0.4829, 0.3363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.1084, 0.4829, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	FF756E
RGB	255, 117, 110
RGB Percent	100%, 46%, 43%
CMY	0.0001, 0.5411, 0.5686
CMYK	0.00, 0.54, 0.57, 0.00
HSL	3°, 100%, 72%
HSV	3°, 57%, 100%
XYZ	50.4129, 35.1084, 18.8748
YIQ	157.4640, 84.4950, 27.0790

Conversions

Conversions Part 2

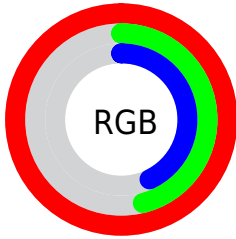
Format	Color
R _Y B	255, 117, 110
Decimal	16741742
CIE Lab	65.83, 52.01, 29.58
CIE LCh	66, 59.828, 29.626
Yxy	35.1084, 0.4829, 0.3363
Android (android.graphics.Color)	4294931822 (0xFFFF756E)
YUV	157.4640, -23.3998, 85.5391
Hunter-Lab	59.2523, 48.1791, 22.5898

Details

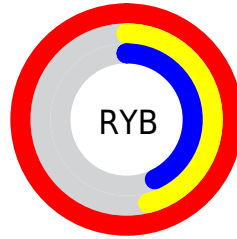
The Yxy color **35.1084, 0.4829, 0.3363** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **77.6588, 0.2396, 0.3206**, and the grayscale version is **34.0190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3737, 0.3980, 0.3398**, and **15.1305, 0.5356, 0.3297** is the 20% darker color. If you saturate the color by 10%, you get **29.6908, 0.5300, 0.3366**, and if you desaturate by 10%, it is **42.1550, 0.4392, 0.3354**.

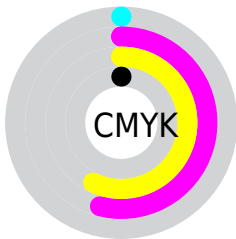
Distribution



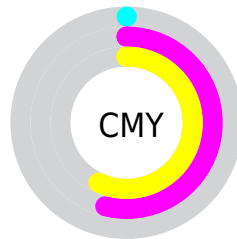
- Red (100%)
- Green (46%)
- Blue (43%)



- Red (100%)
- Yellow (46%)
- 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 35.1084, 0.4829, 0.3363 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 35.1084, 0.4829, 0.3363 by changing the saturation by 10% instead.


 35.1084, 0.4829,
0.3363


 35.1084, 0.4829,
0.3363


325.0465, 0.3937,
0.3379

 23.7464, 0.5057,
0.3339


 67.6537, 0.4499,
0.3383


 15.1456, 0.5349,
0.3297


 89.6057, 0.4377,
0.3386

 8.9216, 0.5732,
0.3219


 115.8565, 0.4274,
0.3387

 4.6901, 0.6243,
0.3071

 146.7906, 0.4186,
0.3387

 2.0666, 0.7137,
0.2863

182.7922, 0.4111,
0.3385

 0.6457, 0.7860,
0.2140

224.2458, 0.4045,


 0.0000, 1.0000,


0.3384


0.0000


271.5358, 0.3988,
0.3381


 0.0000, 0.0000,
0.0000


 35.1084, 0.4829,
0.3363


 35.1084, 0.4829,
0.3363


 29.6908, 0.5300,
0.3366

 42.1550, 0.4392,
0.3354


 25.7665, 0.5754,
0.3360


 50.9406, 0.4015,
0.3341


 23.1879, 0.6119,
0.3345

 61.5724, 0.3702,
0.3326

 21.7737, 0.6336,
0.3322

 74.1472, 0.3448,
0.3312

 21.5283, 0.6377,
0.3318

 88.7553, 0.3243,
0.3299

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



35.1084, 0.4203, 0.2763



35.1084, 0.4829, 0.3363



35.1084, 0.4878, 0.4009

Triad

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



35.1084, 0.4829, 0.3363



35.1084, 0.2790, 0.4719



35.1084, 0.1861, 0.1964

Complementary

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



35.1084, 0.4829, 0.3363



77.6588, 0.2396, 0.3206

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.



35.1084, 0.1614, 0.2222



35.1084, 0.4829, 0.3363



35.1084, 0.2074, 0.3811

Square

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



35.1084, 0.4829, 0.3363



35.1084, 0.3645, 0.4988



35.1084, 0.1675, 0.2844



35.1084, 0.2420, 0.1999

Rectangle

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



35.1084, 0.4829, 0.3363



35.1084, 0.4611, 0.4433



35.1084, 0.1675, 0.2844



35.1084, 0.1744, 0.2014

Sweetspot

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



35.1103, 0.4829, 0.3363



73.9598, 0.3451, 0.3312



39.3240, 0.3234, 0.1984



15.2566, 0.3498, 0.3315



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.



35.1103, 0.4829, 0.3363



29.1718, 0.5354, 0.3366



58.0654, 0.4338, 0.4070



18.1277, 0.3293, 0.3302



11.3094, 0.6367, 0.3326



1.1485, 0.6289, 0.3388

Inverse Universe

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



77.6588, 0.2396, 0.3206



75.2864, 0.2313, 0.3188



42.2436, 0.2202, 0.2306



20.3221, 0.2980, 0.3278



37.2323, 0.2205, 0.3138



3.6697, 0.2210, 0.3157

Previews

White Background



This preview shows how the Yxy color 35.1084, 0.4829, 0.3363 looks on a white background.

Color Contrast Check

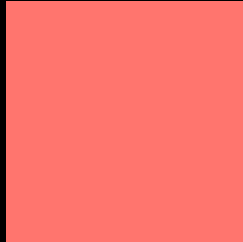
Large Text (above 18pt) WCAG AA × Fail

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 35.1084, 0.4829, 0.3363 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 35.1084, 0.4829, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 35.1084, 0.4829, 0.3363.



This preview shows how white text looks on a background with the Yxy color 35.1084, 0.4829, 0.3363.

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

35.1084, 0.4829, 0.3363

Protanopia

35.2726, 0.3514, 0.3744

Deuteranopia

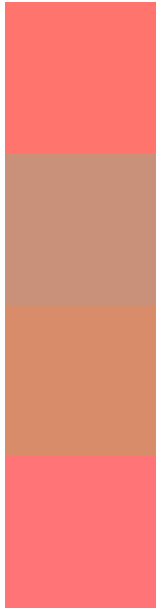
35.1194, 0.4032, 0.3947



Tritanopia

35.1808, 0.4681, 0.3225

Trichromacy



Original Color

35.1084, 0.4829, 0.3363

Protanomaly

33.7692, 0.3985, 0.3581

Deuteranomaly

34.3957, 0.4340, 0.3705

Tritanomaly

35.0588, 0.4741, 0.3275

Monochromacy



Original Color

35.1084, 0.4829, 0.3363

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.5769, 0.3708, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1084, 0.4829, 0.3363 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, 117, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 110)  
}
```

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, 117, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 110) }
```

Border

The CSS property to change the border of an element to Yxy 35.1084, 0.4829, 0.3363 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, 117, 110) }
```

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

```
.border{ border-color:rgb(255, 117, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1084, 0.4829, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 110) }
```

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

```
.background{ background-color: rgb(255,  
117, 110) }
```

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