

# Converting Colors

$Y_{xy}(35.2010, 0.4807, 0.3332)$

Have a look what the booklet for  
Yxy(35.2010, 0.4807, 0.3332)  
contains.

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# Color

**Yxy(35.1748, 0.4794, 0.3334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7571
RGB	255, 117, 113
RGB Percent	100%, 46%, 44%
CMY	0.0001, 0.5411, 0.5568
CMYK	0.00, 0.54, 0.56, 0.00
HSL	2°, 100%, 72%
HSV	2°, 56%, 100%
XYZ	50.5783, 35.1748, 19.7502
YIQ	157.8060, 83.5320, 28.0120

# Conversions

## Conversions Part 2

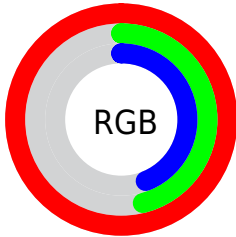
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 117, 113
Decimal	16741745
CIE Lab	65.88, 52.23, 27.97
CIE LCh	66, 59.243, 28.168
Yxy	35.1748, 0.4794, 0.3334
Android (android.graphics.Color)	4294931825 (0xFFFF7571)
YUV	157.8060, -22.0894, 85.2391
Hunter-Lab	59.3083, 48.4356, 21.7717

# Details

The Yxy color **35.1748, 0.4794, 0.3334** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **79.7114, 0.2413, 0.3241**, and the grayscale version is **34.1763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4817, 0.3952, 0.3366**, and **15.1644, 0.5310, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **29.6496, 0.5270, 0.3337**, and if you desaturate by 10%, it is **42.3929, 0.4357, 0.3328**.

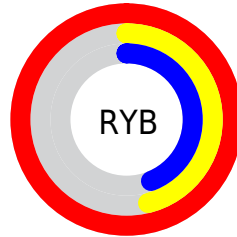
# Distribution



Red (100%)

Green (46%)

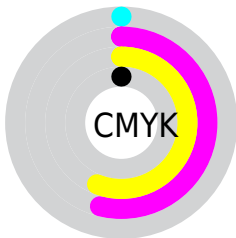
Blue (44%)



Red (100%)

Yellow (46%)

Blue (44%)

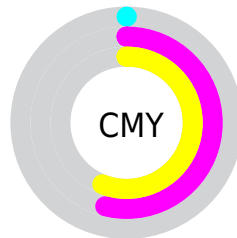


Cyan (0%)

Magenta (54%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1748, 0.4794, 0.3334 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 35.1748, 0.4794, 0.3334 by changing the saturation by 10% instead.





 35.1748, 0.4794,  
0.3334

 35.1748, 0.4794,  
0.3334


325.3392, 0.3920,  
0.3362

 23.7976, 0.5018,  
0.3309


 67.7565, 0.4470,  
0.3357


 15.1835, 0.5306,  
0.3265

 89.7297, 0.4350,  
0.3362

 8.9483, 0.5686,  
0.3187


 116.0037, 0.4249,  
0.3364

 4.7075, 0.6196,  
0.3042

 146.9629, 0.4163,  
0.3365

 2.0767, 0.7141,  
0.2859

182.9916, 0.4090,  
0.3365

 0.6515, 0.7861,  
0.2139

224.4743, 0.4025,

 0.0000, 1.0000,

0.3364


0.0000

271.7954, 0.3969,  
0.3363

 0.0000, 0.0000,  
0.0000

 35.1748, 0.4794,  
0.3334

 35.1748, 0.4794,  
0.3334


 29.6496, 0.5270,  
0.3337


 42.3929, 0.4357,  
0.3328


 25.6744, 0.5732,  
0.3334


 51.4206, 0.3982,  
0.3320


 23.0923, 0.6108,  
0.3326

 62.3705, 0.3673,  
0.3311

 21.7107, 0.6333,  
0.3313

 75.3448, 0.3423,  
0.3302

 21.4132, 0.6387,  
0.3311

 90.4383, 0.3222,  
0.3294

99.9970, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.1748, 0.4150, 0.2742



35.1748, 0.4794, 0.3334



35.1748, 0.4872, 0.3975

# Triad

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



35.1748, 0.4794, 0.3334



35.1748, 0.2835, 0.4732



35.1748, 0.1852, 0.1981

# Complementary

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



35.1748, 0.4794, 0.3334



79.7114, 0.2413, 0.3241

# 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.



35.1748, 0.1622, 0.2253



35.1748, 0.4794, 0.3334



35.1748, 0.2112, 0.3856

# Square

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



35.1748, 0.4794, 0.3334



35.1748, 0.3683, 0.4964



35.1748, 0.1699, 0.2890



35.1748, 0.2392, 0.2002



# Rectangle

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



35.1748, 0.4794, 0.3334



35.1748, 0.4625, 0.4396



35.1748, 0.1699, 0.2890



35.1748, 0.1742, 0.2036

# Sweetspot

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



35.1767, 0.4794, 0.3334



73.5205, 0.3453, 0.3303



40.1378, 0.3210, 0.1988



15.1546, 0.3500, 0.3305



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.



35.1767, 0.4794, 0.3334



29.0423, 0.5333, 0.3337



57.7214, 0.4323, 0.4034



18.0691, 0.3294, 0.3297



11.2260, 0.6381, 0.3315



1.1207, 0.6335, 0.3352



# Inverse Universe

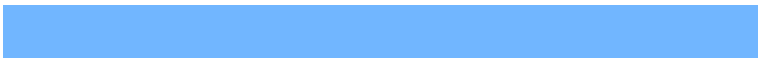
The Inverse Universe completely reimagines the original color for something new.



79.7114, 0.2413, 0.3241



77.5945, 0.2330, 0.3231



44.0363, 0.2226, 0.2362



20.3883, 0.2980, 0.3283



38.8288, 0.2223, 0.3201



3.8073, 0.2226, 0.3212



# Previews

## White Background



This preview shows how the Yxy color 35.1748, 0.4794, 0.3334 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

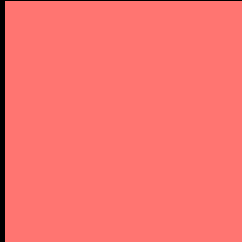
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.1748, 0.4794, 0.3334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

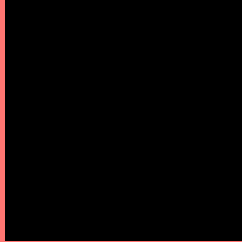
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 35.1748, 0.4794, 0.3334**

## Background



This preview shows how black text looks on a background with the Yxy color 35.1748, 0.4794, 0.3334.



This preview shows how white text looks on a background with the Yxy color 35.1748, 0.4794, 0.3334.

# 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

35.1748, 0.4794, 0.3334

### Protanopia

35.3536, 0.3486, 0.3699

### Deuteranopia

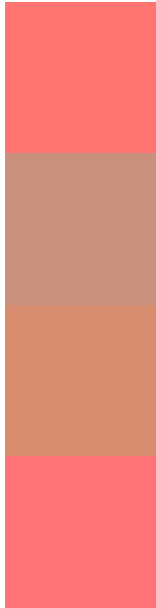
35.0505, 0.3993, 0.3911



## Tritanopia

35.2060, 0.4669, 0.3215

# Trichromacy



**Original Color**

35.1748, 0.4794, 0.3334

**Protanomaly**

33.8447, 0.3952, 0.3542

**Deuteranomaly**

34.3074, 0.4298, 0.3671

**Tritanomaly**

35.1068, 0.4717, 0.3255

# Monochromacy



**Original Color**

35.1748, 0.4794, 0.3334

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

32.9354, 0.3683, 0.3305

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.1748, 0.4794, 0.3334 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 35.1748, 0.4794, 0.3334 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, 113) }
```

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

```
.border{ border-color:rgb(255, 117, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.1748, 0.4794, 0.3334 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
117, 113) }
```

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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