

# Converting Colors

$Y_{xy}(35.1843, 0.4775, 0.3316)$

Have a look what the booklet for  
Yxy(35.1843, 0.4775, 0.3316)  
contains.

<b>Yxy(35.2204, 0.4771, 0.3314)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(35.2204, 0.4771, 0.3314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7573
RGB	255, 117, 115
RGB Percent	100%, 46%, 45%
CMY	0.0000, 0.5412, 0.5489
CMYK	0.00, 0.54, 0.55, 0.00
HSL	1°, 100%, 73%
HSV	1°, 55%, 100%
XYZ	50.7050, 35.2204, 20.3522
YIQ	158.0340, 82.8900, 28.6340

# Conversions

## Conversions Part 2

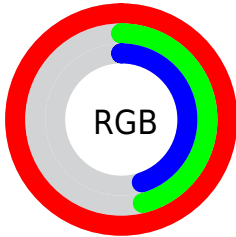
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 117, 115
Decimal	16741747
CIE Lab	65.92, 52.41, 26.89
CIE LCh	66, 58.907, 27.158
Yxy	35.2204, 0.4771, 0.3314
Android (android.graphics.Color)	4294931827 (0xFFFF7573)
YUV	158.0340, -21.2158, 85.0392
Hunter-Lab	59.3468, 48.6510, 21.2101

# Details

The Yxy color **35.2204, 0.4771, 0.3314** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.1432, 0.2425, 0.3265**, and the grayscale version is **34.2735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5551, 0.3933, 0.3345**, and **15.1880, 0.5278, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **29.6165, 0.5249, 0.3316**, and if you desaturate by 10%, it is **42.5522, 0.4333, 0.3310**.

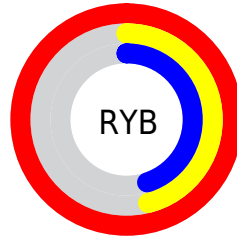
# Distribution



Red (100%)

Green (46%)

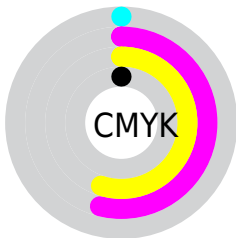
Blue (45%)



Red (100%)

Yellow (46%)

Blue (45%)

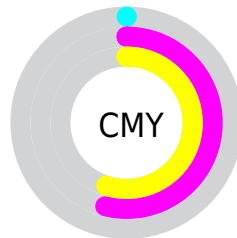


Cyan (0%)

Magenta (54%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (54%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2204, 0.4771, 0.3314 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 35.2204, 0.4771, 0.3314 by changing the saturation by 10% instead.



 35.2204, 0.4771,  
0.3314


 35.2204, 0.4771,  
0.3314

325.5401, 0.3908,  
0.3350


 23.8327, 0.4993,  
0.3288


 67.8271, 0.4451,  
0.3340

 15.2096, 0.5278,  
0.3243


 89.8148, 0.4333,  
0.3345

 8.9666, 0.5655,  
0.3165

 116.1047, 0.4233,  
0.3349

 4.7194, 0.6165,  
0.3021

147.0811, 0.4149,  
0.3350

 2.0836, 0.7107,  
0.2839

183.1285, 0.4076,  
0.3351

 0.6554, 0.7862,  
0.2138

224.6312, 0.4013,


 0.0000, 1.0000,

0.3351


0.0000


271.9736, 0.3957,  
0.3350


 0.0000, 0.0000,  
0.0000


 35.2204, 0.4771,  
0.3314

 35.2204, 0.4771,  
0.3314


 29.6165, 0.5249,  
0.3316


 42.5522, 0.4333,  
0.3310


 25.6086, 0.5717,  
0.3316


 51.7499, 0.3960,  
0.3306

 23.0277, 0.6100,  
0.3312

 62.9249, 0.3653,  
0.3301

 21.6719, 0.6331,  
0.3306

 76.1831, 0.3406,  
0.3296

 21.3375, 0.6394,  
0.3305

 91.6228, 0.3209,  
0.3292

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.



35.2204, 0.4116, 0.2727



35.2204, 0.4771, 0.3314



35.2204, 0.4870, 0.3951

# Triad

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



35.2204, 0.4771, 0.3314



35.2204, 0.2865, 0.4742



35.2204, 0.1846, 0.1991

# Complementary

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



35.2204, 0.4771, 0.3314



81.1432, 0.2425, 0.3265

# 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.



35.2204, 0.1627, 0.2275



35.2204, 0.4771, 0.3314



35.2204, 0.2138, 0.3887

# Square

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



35.2204, 0.4771, 0.3314



35.2204, 0.3710, 0.4950



35.2204, 0.1714, 0.2921



35.2204, 0.2373, 0.2004



# Rectangle

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



35.2204, 0.4771, 0.3314



35.2204, 0.4634, 0.4371



35.2204, 0.1714, 0.2921



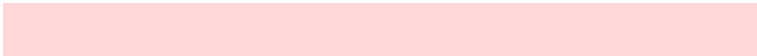
35.2204, 0.1739, 0.2050

# Sweetspot

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



35.2167, 0.4771, 0.3314



74.6095, 0.3431, 0.3297



40.7468, 0.3188, 0.1986



15.3584, 0.3478, 0.3298



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.



35.2167, 0.4771, 0.3314



29.0971, 0.5303, 0.3316



57.2011, 0.4317, 0.4003



18.0277, 0.3294, 0.3294



11.1669, 0.6391, 0.3307



1.1010, 0.6368, 0.3326



# Inverse Universe

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



81.1432, 0.2425, 0.3265



79.2586, 0.2343, 0.3260



45.5692, 0.2245, 0.2408



20.4352, 0.2980, 0.3286



39.9848, 0.2235, 0.3245



3.9066, 0.2236, 0.3250



# Previews

## White Background



This preview shows how the Yxy color 35.2204, 0.4771, 0.3314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

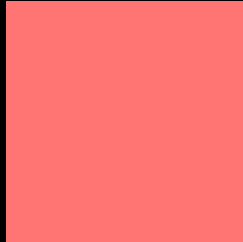
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.2204, 0.4771, 0.3314 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 35.2204, 0.4771, 0.3314**

## Background



This preview shows how black text looks on a background with the Yxy color 35.2204, 0.4771, 0.3314.



This preview shows how white text looks on a background with the Yxy color 35.2204, 0.4771, 0.3314.

# 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

35.2204, 0.4771, 0.3314

### Protanopia

35.2979, 0.3457, 0.3671

### Deuteranopia

35.4218, 0.3967, 0.3898



## Tritanopia

35.2060, 0.4669, 0.3215

# Trichromacy



## Original Color

35.2204, 0.4771, 0.3314

## Protanomaly

33.7582, 0.3919, 0.3517

## Deuteranomaly

34.6445, 0.4270, 0.3660

## Tritanomaly

35.1313, 0.4705, 0.3245

# Monochromacy



## Original Color

35.2204, 0.4771, 0.3314

## 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 35.2204, 0.4771, 0.3314 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 35.2204, 0.4771, 0.3314 is called "border". The border property can be set on classes, ids or directly on the HTML element.

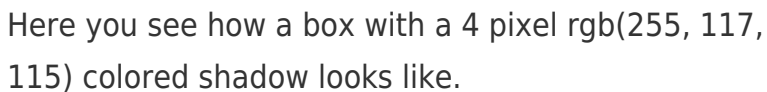
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 117, 115) }
```

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

```
.border{ border-color:rgb(255, 117, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 117, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 117, 115); box-shadow:4px 4px 4px 4px rgb(255, 117, 115) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.2204, 0.4771, 0.3314 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, 115) }
```

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

```
.background{ background-color: rgb(255,  
117, 115) }
```

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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