

# Converting Colors

$Y_{xy}(35.4386, 0.4586, 0.3204)$

Have a look what the booklet for  
Yxy(35.4386, 0.4586, 0.3204)  
contains.

<b>Yxy(35.4476, 0.4575, 0.3203)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(35.4476, 0.4575, 0.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC7780
RGB	252, 119, 128
RGB Percent	99%, 47%, 50%
CMY	0.0118, 0.5332, 0.4981
CMYK	0.00, 0.53, 0.49, 0.01
HSL	356°, 96%, 73%
HSV	356°, 53%, 99%
XYZ	50.6315, 35.4476, 24.5909
YIQ	159.7930, 76.3790, 30.9950

# Conversions

## Conversions Part 2

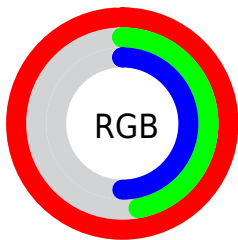
Format	Color
R <sub>Y</sub> B	252, 119, 128
Decimal	16545664
CIE Lab	66.10, 51.46, 19.75
CIE LCh	66, 55.118, 20.995
Yxy	35.4476, 0.4575, 0.3203
Android (android.graphics.Color)	4294735744 (0xFFFC7780)
YUV	159.7930, -15.6739, 80.8655
Hunter-Lab	59.5379, 47.6066, 17.1880

# Details

The Yxy color **35.4476, 0.4575, 0.3203** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.0031, 0.2485, 0.3393**, and the grayscale version is **35.1036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8683, 0.3796, 0.3218**, and **15.3077, 0.5038, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **29.6757, 0.5026, 0.3197**, and if you desaturate by 10%, it is **42.9561, 0.4176, 0.3216**.

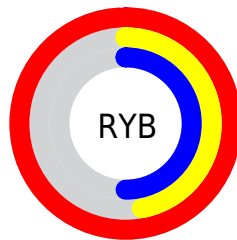
# Distribution



Red (99%)

Green (47%)

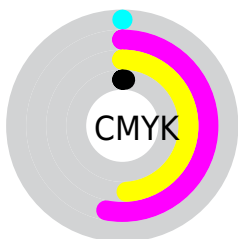
Blue (50%)



Red (99%)

Yellow (47%)

Blue (50%)

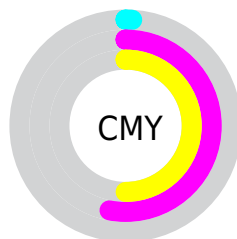


Cyan (0%)

Magenta (53%)

Yellow (49%)

Black (1%)



Cyan (1%)

Magenta (53%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4476, 0.4575, 0.3203 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 35.4476, 0.4575, 0.3203 by changing the saturation by 10% instead.





 35.4476, 0.4575,  
0.3203


 35.4476, 0.4575,  
0.3203


326.5396, 0.3814,  
0.3281

 24.0079, 0.4774,  
0.3171


 68.1786, 0.4291,  
0.3240

 15.3395, 0.5032,  
0.3124


 90.2386, 0.4187,  
0.3251

 9.0580, 0.5378,  
0.3047


 116.6076, 0.4099,  
0.3260

 4.7790, 0.5860,  
0.2915

147.6698, 0.4025,  
0.3266

 2.1182, 0.6601,  
0.2689

183.8098, 0.3961,  
0.3271

 0.6748, 0.7806,  
0.2194

225.4118, 0.3905,

 0.0000, 1.0000,

0.3275

0.0000

272.8603, 0.3856,  
0.3278

■ 0.0000, 0.0000,  
0.0000

■ 35.4476, 0.4575,  
0.3203

■ 35.4476, 0.4575,  
0.3203

■ 29.6757, 0.5026,  
0.3197

■ 42.9561, 0.4176,  
0.3216

■ 25.4962, 0.5492,  
0.3202

■ 52.3192, 0.3840,  
0.3233

■ 22.7511, 0.5912,  
0.3221

■ 63.6511, 0.3566,  
0.3251

■ 21.2471, 0.6218,  
0.3251

■ 77.0552, 0.3346,  
0.3269

■ 20.7318, 0.6349,  
0.3271

■ 92.6278, 0.3169,  
0.3286

99.4314, 0.3108,  
0.3290

# Harmonies

## Analogous

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



35.4476, 0.3883, 0.2659



35.4476, 0.4575, 0.3203



35.4476, 0.4789, 0.3806

# Triad

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



35.4476, 0.4575, 0.3203



35.4476, 0.3053, 0.4731



35.4476, 0.1849, 0.2095

# Complementary

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



35.4476, 0.4575, 0.3203



80.0031, 0.2485, 0.3393

# 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.



35.4476, 0.1699, 0.2437



35.4476, 0.4575, 0.3203



35.4476, 0.2324, 0.4036

# Square

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



35.4476, 0.4575, 0.3203



35.4476, 0.3845, 0.4806



35.4476, 0.1851, 0.3121



35.4476, 0.2293, 0.2050



# Rectangle

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



35.4476, 0.4575, 0.3203



35.4476, 0.4638, 0.4207



35.4476, 0.1851, 0.3121



35.4476, 0.1767, 0.2173

# Sweetspot

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



35.4495, 0.4575, 0.3203



74.4616, 0.3412, 0.3263



38.9098, 0.3086, 0.1988



15.3238, 0.3456, 0.3259



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.



35.4495, 0.4575, 0.3203



30.3514, 0.5039, 0.3197



52.4597, 0.4327, 0.3868



17.2442, 0.3283, 0.3274



10.8088, 0.6331, 0.3261



1.0075, 0.6168, 0.3172



# Inverse Universe

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



35.4495, 0.4575, 0.3203



30.3514, 0.5039, 0.3197



50.6935, 0.2308, 0.2597



17.2442, 0.3283, 0.3274



10.8088, 0.6331, 0.3261



1.0075, 0.6168, 0.3172



# Previews

## White Background



This preview shows how the Yxy color 35.4476, 0.4575, 0.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

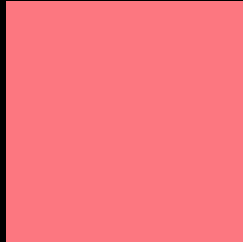
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.4476, 0.4575, 0.3203 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 35.4476, 0.4575, 0.3203**

## Background



This preview shows how black text looks on a background with the Yxy color 35.4476, 0.4575, 0.3203.



This preview shows how white text looks on a background with the Yxy color 35.4476, 0.4575, 0.3203.

# 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

35.4476, 0.4575, 0.3203

### Protanopia

35.4952, 0.3305, 0.3465

### Deuteranopia

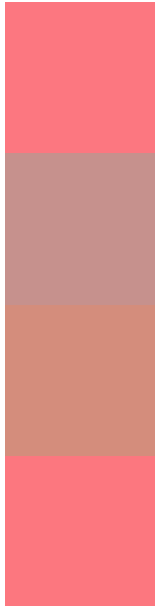
35.3352, 0.3806, 0.3730



## Tritanopia

35.4214, 0.4587, 0.3213

# Trichromacy



## Original Color

35.4476, 0.4575, 0.3203

## Protanomaly

34.1797, 0.3741, 0.3345

## Deuteranomaly

34.5020, 0.4096, 0.3506

## Tritanomaly

35.4214, 0.4587, 0.3213

# Monochromacy



## Original Color

35.4476, 0.4575, 0.3203

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

33.7264, 0.3611, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.4476, 0.4575, 0.3203 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(252, 119, 128)` looks like.

```
.text, #text, p{  
    color:rgb(252, 119, 128)  
}
```

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(252, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 119, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4476, 0.4575, 0.3203 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(252, 119, 128) }
```

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

```
.border{ border-color:rgb(252, 119, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 119, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(252, 119,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4476, 0.4575, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 119, 128) }
```

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

```
.background{ background-color: rgb(252,  
119, 128) }
```

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