

# Converting Colors

$Y_{xy}(35.3338, 0.4726, 0.3279)$

Have a look what the booklet for  
Yxy(35.3338, 0.4726, 0.3279)  
contains.

<b>Yxy(35.3145, 0.4723, 0.3275)</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(35.3145, 0.4723, 0.3275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7577
RGB	255, 117, 119
RGB Percent	100%, 46%, 47%
CMY	0.0000, 0.5411, 0.5333
CMYK	0.00, 0.54, 0.53, 0.00
HSL	359°, 100%, 73%
HSV	359°, 54%, 100%
XYZ	50.9284, 35.3145, 21.5877
YIQ	158.4900, 81.6060, 29.8780

# Conversions

## Conversions Part 2

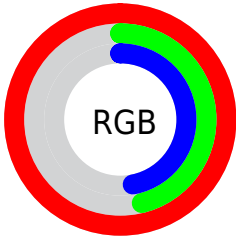
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 117, 119
Decimal	16741751
CIE Lab	65.99, 52.69, 24.75
CIE LCh	66, 58.214, 25.155
Yxy	35.3145, 0.4723, 0.3275
Android (android.graphics.Color)	4294931831 (0xFFFF7577)
YUV	158.4900, -19.4686, 84.6393
Hunter-Lab	59.4260, 48.9798, 20.0599

# Details

The Yxy color **35.3145, 0.4723, 0.3275** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **82.3870, 0.2444, 0.3311**, and the grayscale version is **34.4915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0874, 0.3892, 0.3313**, and **15.2376, 0.5212, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **29.6348, 0.5199, 0.3276**, and if you desaturate by 10%, it is **42.7755, 0.4292, 0.3277**.

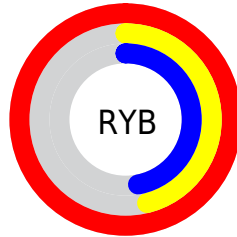
# Distribution



Red (100%)

Green (46%)

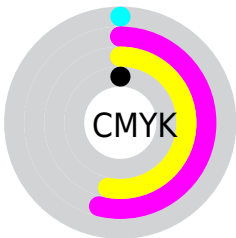
Blue (47%)



Red (100%)

Yellow (46%)

Blue (47%)

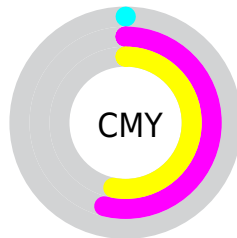


Cyan (0%)

Magenta (54%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3145, 0.4723, 0.3275 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 35.3145, 0.4723, 0.3275 by changing the saturation by 10% instead.




 35.3145, 0.4723,  
0.3275

 35.3145, 0.4723,  
0.3275


325.9543, 0.3885,  
0.3326


 23.9052, 0.4939,  
0.3246


 67.9727, 0.4412,  
0.3305

 15.2633, 0.5219,  
0.3200


 89.9904, 0.4297,  
0.3313

 9.0044, 0.5590,  
0.3121


 116.3131, 0.4200,  
0.3318

 4.7441, 0.6095,  
0.2980

147.3251, 0.4118,  
0.3322

 2.0979, 0.6963,  
0.2775

183.4108, 0.4047,  
0.3324

 0.6634, 0.7862,  
0.2138

224.9547, 0.3986,


 0.0000, 1.0000,


0.3325


0.0000

272.3410, 0.3932,  
0.3326


 0.0000, 0.0000,  
0.0000


 35.3145, 0.4723,  
0.3275


 35.3145, 0.4723,  
0.3275


 29.6348, 0.5199,  
0.3276

 42.7755, 0.4292,  
0.3277

 25.5830, 0.5671,  
0.3279


 52.1431, 0.3926,  
0.3279


 22.9896, 0.6066,  
0.3285

 63.5381, 0.3627,  
0.3282

 21.6453, 0.6315,  
0.3292

 77.0696, 0.3386,  
0.3286

 21.2658, 0.6391,  
0.3294

 92.8390, 0.3194,  
0.3289

99.9977, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.3145, 0.4046, 0.2698



35.3145, 0.4723, 0.3275



35.3145, 0.4861, 0.3905

# Triad

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



35.3145, 0.4723, 0.3275



35.3145, 0.2925, 0.4758



35.3145, 0.1835, 0.2014

# Complementary

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



35.3145, 0.4723, 0.3275



82.3870, 0.2444, 0.3311

# 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.



35.3145, 0.1638, 0.2318



35.3145, 0.4723, 0.3275



35.3145, 0.2190, 0.3946

# Square

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



35.3145, 0.4723, 0.3275



35.3145, 0.3760, 0.4918



35.3145, 0.1747, 0.2983



35.3145, 0.2338, 0.2008



# Rectangle

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



35.3145, 0.4723, 0.3275



35.3145, 0.4651, 0.4323



35.3145, 0.1747, 0.2983



35.3145, 0.1736, 0.2079

# Sweetspot

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



35.3164, 0.4723, 0.3275



74.3499, 0.3427, 0.3285



40.7700, 0.3167, 0.1992



15.2977, 0.3475, 0.3284



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.



35.3164, 0.4723, 0.3275



29.2129, 0.5242, 0.3276



56.7002, 0.4310, 0.3972



17.9913, 0.3292, 0.3287



11.1149, 0.6386, 0.3292



1.0836, 0.6351, 0.3272



# Inverse Universe

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



35.3164, 0.4723, 0.3275



29.2129, 0.5242, 0.3276



47.0979, 0.2263, 0.2454



17.9913, 0.3292, 0.3287



11.1149, 0.6386, 0.3292



1.0836, 0.6351, 0.3272



# Previews

## White Background



This preview shows how the Yxy color 35.3145, 0.4723, 0.3275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

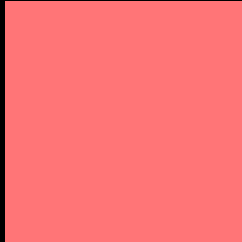
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.3145, 0.4723, 0.3275 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 35.3145, 0.4723, 0.3275**

## Background



This preview shows how black text looks on a background with the Yxy color 35.3145, 0.4723, 0.3275.



This preview shows how white text looks on a background with the Yxy color 35.3145, 0.4723, 0.3275.

# 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

35.3145, 0.4723, 0.3275

### Protanopia

35.4407, 0.3409, 0.3597

### Deuteranopia

35.3798, 0.3917, 0.3848



## Tritanopia

35.2060, 0.4669, 0.3215

# Trichromacy



## Original Color

35.3145, 0.4723, 0.3275

## Protanomaly

33.8918, 0.3865, 0.3451

## Deuteranomaly

34.5837, 0.4216, 0.3614

## Tritanomaly

35.1559, 0.4693, 0.3235

# Monochromacy



## Original Color

35.3145, 0.4723, 0.3275

## Achromatopsia

34.1914, 0.3127, 0.3290

## Achromatomaly

32.9960, 0.3661, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.3145, 0.4723, 0.3275 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 35.3145, 0.4723, 0.3275 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, 119) }
```

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

```
.border{ border-color:rgb(255, 117, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.3145, 0.4723, 0.3275 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, 119) }
```

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

```
.background{ background-color: rgb(255,  
117, 119) }
```

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