

# Converting Colors

$Y_{xy}(35.4323, 0.4734, 0.3294)$

Have a look what the booklet for  
Yxy(35.4323, 0.4734, 0.3294)  
contains.

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# Color

**Yxy(35.5249, 0.4729, 0.3295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7676
RGB	255, 118, 118
RGB Percent	100%, 46%, 46%
CMY	0.0000, 0.5372, 0.5373
CMYK	0.00, 0.54, 0.54, 0.00
HSL	0°, 100%, 73%
HSV	0°, 54%, 100%
XYZ	50.9855, 35.5249, 21.3042
YIQ	158.9630, 81.6520, 29.0440

# Conversions

## Conversions Part 2

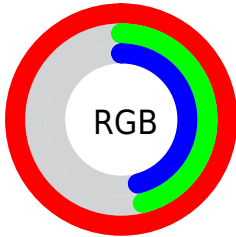
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 118, 118
Decimal	16742006
CIE <sub>Lab</sub>	66.16, 52.14, 25.54
CIE <sub>LCh</sub>	66, 58.062, 26.094
Yxy	35.5249, 0.4729, 0.3295
Android (android.graphics.Color)	4294932086 (0xFFFF7676)
YUV	158.9630, -20.1948, 84.2244
Hunter-Lab	59.6028, 48.3880, 20.5296

# Details

The Yxy color **35.5249, 0.4729, 0.3295** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **82.5641, 0.2439, 0.3288**, and the grayscale version is **34.7212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0494, 0.3901, 0.3324**, and **15.3347, 0.5220, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **29.7849, 0.5209, 0.3297**, and if you desaturate by 10%, it is **43.0546, 0.4294, 0.3294**.

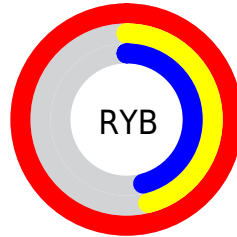
# Distribution



Red (100%)

Green (46%)

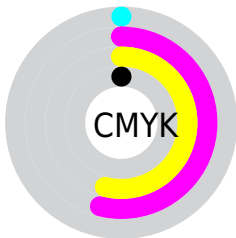
Blue (46%)



Red (100%)

Yellow (46%)

Blue (46%)

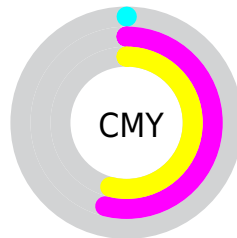


Cyan (0%)

Magenta (54%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5249, 0.4729, 0.3295 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 35.5249, 0.4729, 0.3295 by changing the saturation by 10% instead.





 35.5249, 0.4729,  
0.3295


 35.5249, 0.4729,  
0.3295


326.8792, 0.3889,  
0.3337

 24.0675, 0.4946,  
0.3268


 68.2981, 0.4417,  
0.3322

 15.3837, 0.5225,  
0.3224


 90.3827, 0.4302,  
0.3329

 9.0891, 0.5594,  
0.3148


 116.7785, 0.4205,  
0.3333

 4.7994, 0.6097,  
0.3009

147.8699, 0.4123,  
0.3335

 2.1300, 0.6972,  
0.2814

184.0413, 0.4052,  
0.3337

 0.6814, 0.7822,  
0.2178

225.6770, 0.3990,


 0.0000, 1.0000,


0.3337


0.0000


273.1615, 0.3936,  
0.3337

 0.0000, 0.0000,  
0.0000


 35.5249, 0.4729,  
0.3295


 35.5249, 0.4729,  
0.3295


 29.7849, 0.5209,  
0.3297

 43.0546, 0.4294,  
0.3294


 25.6814, 0.5683,  
0.3298

 52.4994, 0.3925,  
0.3293

 23.0452, 0.6078,  
0.3299

 63.9799, 0.3624,  
0.3292

 21.6677, 0.6322,  
0.3300

 77.6055, 0.3381,  
0.3291

 21.2597, 0.6401,  
0.3300

 93.4775, 0.3189,  
0.3290

99.9984, 0.3127,  
0.3290

# Harmonies

## Analogous

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



35.5249, 0.4069, 0.2717



35.5249, 0.4729, 0.3295



35.5249, 0.4849, 0.3924

# Triad

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



35.5249, 0.4729, 0.3295



35.5249, 0.2901, 0.4734



35.5249, 0.1851, 0.2014

# Complementary

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



35.5249, 0.4729, 0.3295



82.5641, 0.2439, 0.3288

# 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.



35.5249, 0.1645, 0.2307



35.5249, 0.4729, 0.3295



35.5249, 0.2176, 0.3912

# Square

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



35.5249, 0.4729, 0.3295



35.5249, 0.3733, 0.4916



35.5249, 0.1744, 0.2959



35.5249, 0.2362, 0.2016



# Rectangle

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



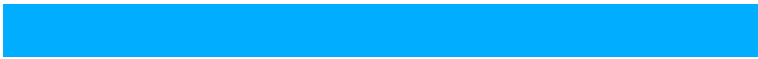
35.5249, 0.4729, 0.3295



35.5249, 0.4630, 0.4338



35.5249, 0.1744, 0.2959



35.5249, 0.1749, 0.2076

# Sweetspot

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



35.5268, 0.4729, 0.3295



74.3245, 0.3432, 0.3291



41.4311, 0.3187, 0.2008



15.2917, 0.3480, 0.3291



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.



35.5268, 0.4729, 0.3295



29.6555, 0.5222, 0.3297



57.8898, 0.4285, 0.3990



17.9878, 0.3295, 0.3291



11.1098, 0.6401, 0.3300



1.0819, 0.6400, 0.3300



# Inverse Universe

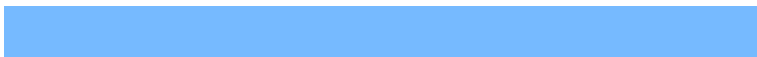
The Inverse Universe completely reimagines the original color for something new.



82.5641, 0.2439, 0.3288



80.9807, 0.2362, 0.3287



46.3937, 0.2262, 0.2431



20.4807, 0.2980, 0.3290



41.1238, 0.2246, 0.3287



4.0043, 0.2246, 0.3287



# Previews

## White Background



This preview shows how the Yxy color 35.5249, 0.4729, 0.3295 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 35.5249, 0.4729, 0.3295 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 35.5249, 0.4729, 0.3295**

## Background



This preview shows how black text looks on a background with the Yxy color 35.5249, 0.4729, 0.3295.



This preview shows how white text looks on a background with the Yxy color 35.5249, 0.4729, 0.3295.

# 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

35.5249, 0.4729, 0.3295

### Protanopia

35.7597, 0.3416, 0.3626

### Deuteranopia

35.4875, 0.3938, 0.3858



## Tritanopia

35.4632, 0.4651, 0.3215

# Trichromacy



## Original Color

35.5249, 0.4729, 0.3295

## Protanomaly

34.1689, 0.3871, 0.3477

## Deuteranomaly

34.7117, 0.4238, 0.3624

## Tritanomaly

35.3877, 0.4687, 0.3245

# Monochromacy



## Original Color

35.5249, 0.4729, 0.3295

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

33.4295, 0.3668, 0.3292

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5249, 0.4729, 0.3295 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, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 118)  
}
```

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, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5249, 0.4729, 0.3295 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, 118, 118) }
```

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

```
.border{ border-color:rgb(255, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5249, 0.4729, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 118) }
```

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

```
.background{ background-color: rgb(255,  
118, 118) }
```

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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