

# Converting Colors

$Y_{xy}(34.6072, 0.4820, 0.3319)$

Have a look what the booklet for  
Yxy(34.6072, 0.4820, 0.3319)  
contains.

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# Color

**Yxy(34.6913, 0.4819, 0.3324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7370
RGB	255, 115, 112
RGB Percent	100%, 45%, 44%
CMY	0.0000, 0.5490, 0.5607
CMYK	0.00, 0.55, 0.56, 0.00
HSL	1°, 100%, 72%
HSV	1°, 56%, 100%
XYZ	50.2940, 34.6913, 19.3808
YIQ	156.5180, 84.4030, 28.7470

# Conversions

## Conversions Part 2

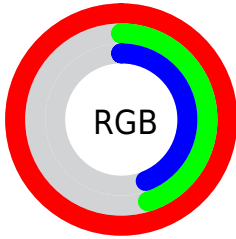
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 115, 112
Decimal	16741232
CIE Lab	65.51, 53.09, 28.03
CIE LCh	66, 60.035, 27.829
Yxy	34.6913, 0.4819, 0.3324
Android (android.graphics.Color)	4294931312 (0xFFFF7370)
YUV	156.5180, -21.9474, 86.3687
Hunter-Lab	58.8993, 49.3471, 21.7202

# Details

The Yxy color **34.6913, 0.4819, 0.3324** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.2866, 0.2413, 0.3253**, and the grayscale version is **33.5641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0662, 0.3965, 0.3366**, and **14.9393, 0.5343, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **29.2590, 0.5297, 0.3326**, and if you desaturate by 10%, it is **41.8295, 0.4377, 0.3319**.

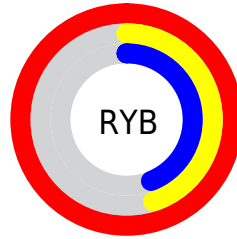
# Distribution



Red (100%)

Green (45%)

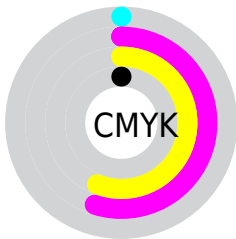
Blue (44%)



Red (100%)

Yellow (45%)

Blue (44%)

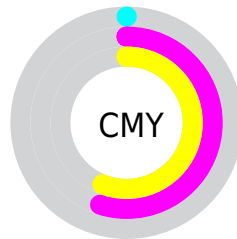


Cyan (0%)

Magenta (55%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (55%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6913, 0.4819, 0.3324 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 34.6913, 0.4819, 0.3324 by changing the saturation by 10% instead.




 34.6913, 0.4819,  
0.3324

 34.6913, 0.4819,  
0.3324


323.2036, 0.3930,  
0.3358


 23.4252, 0.5047,  
0.3297


 67.0073, 0.4489,  
0.3350

 14.9078, 0.5341,  
0.3250


 88.8259, 0.4367,  
0.3355

 8.7547, 0.5727,  
0.3167


 114.9308, 0.4265,  
0.3359

 4.5815, 0.6247,  
0.3014

 145.7064, 0.4178,  
0.3360

 2.0039, 0.7189,  
0.2811

181.5371, 0.4103,  
0.3360

 0.6097, 0.7944,  
0.2056

222.8073, 0.4037,


 0.0000, 1.0000,

0.3360


0.0000


269.9013, 0.3980,  
0.3359


 0.0000, 0.0000,  
0.0000


 34.6913, 0.4819,  
0.3324


 34.6913, 0.4819,  
0.3324

 29.2590, 0.5297,  
0.3326


 41.8295, 0.4377,  
0.3319


 25.3855, 0.5759,  
0.3324


 50.7937, 0.3998,  
0.3313

 22.9083, 0.6128,  
0.3318

 61.6997, 0.3685,  
0.3306

 21.6262, 0.6343,  
0.3308

 74.6521, 0.3432,  
0.3300

 21.3741, 0.6391,  
0.3308

 89.7480, 0.3230,  
0.3293

99.9983, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.6913, 0.4158, 0.2726



34.6913, 0.4819, 0.3324



34.6913, 0.4903, 0.3972

# Triad

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



34.6913, 0.4819, 0.3324



34.6913, 0.2837, 0.4769



34.6913, 0.1829, 0.1963

# Complementary

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



34.6913, 0.4819, 0.3324



80.2866, 0.2413, 0.3253

# 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.



34.6913, 0.1600, 0.2241



34.6913, 0.4819, 0.3324



34.6913, 0.2102, 0.3878

# Square

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



34.6913, 0.4819, 0.3324



34.6913, 0.3698, 0.4993



34.6913, 0.1680, 0.2890



34.6913, 0.2372, 0.1982



# Rectangle

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



34.6913, 0.4819, 0.3324



34.6913, 0.4652, 0.4401



34.6913, 0.1680, 0.2890



34.6913, 0.1719, 0.2019

# Sweetspot

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



34.6932, 0.4819, 0.3324



73.3617, 0.3453, 0.3300



39.9185, 0.3211, 0.1981



15.1178, 0.3501, 0.3301



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.



34.6932, 0.4819, 0.3324



28.8367, 0.5342, 0.3326



57.5000, 0.4333, 0.4038



18.0479, 0.3294, 0.3296



11.1957, 0.6386, 0.3311



1.1106, 0.6351, 0.3339



# Inverse Universe

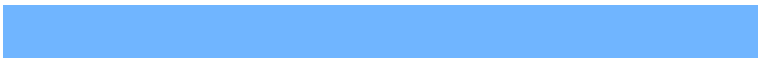
The Inverse Universe completely reimagines the original color for something new.



80.2866, 0.2413, 0.3253



78.3725, 0.2333, 0.3245



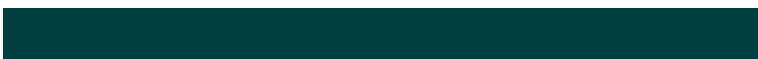
43.7638, 0.2220, 0.2354



20.4124, 0.2980, 0.3285



39.4190, 0.2229, 0.3224



3.8580, 0.2231, 0.3231



# Previews

## White Background



This preview shows how the Yxy color 34.6913, 0.4819, 0.3324 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

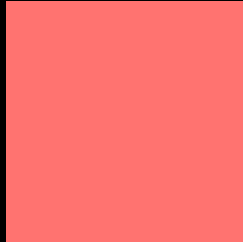
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.6913, 0.4819, 0.3324 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 34.6913, 0.4819, 0.3324**

## Background



This preview shows how black text looks on a background with the Yxy color 34.6913, 0.4819, 0.3324.



This preview shows how white text looks on a background with the Yxy color 34.6913, 0.4819, 0.3324.

# 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

34.6913, 0.4819, 0.3324

### Protanopia

34.8972, 0.3479, 0.3687

### Deuteranopia

34.5734, 0.3998, 0.3914



## Tritanopia

34.6998, 0.4705, 0.3216

# Trichromacy



## Original Color

34.6913, 0.4819, 0.3324

## Protanomaly

33.4049, 0.3946, 0.3530

## Deuteranomaly

33.8441, 0.4305, 0.3673

## Tritanomaly

34.6026, 0.4754, 0.3256

# Monochromacy



## Original Color

34.6913, 0.4819, 0.3324

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

32.6065, 0.3697, 0.3305

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.6913, 0.4819, 0.3324 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, 115, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 112)  
}
```

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, 115, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 34.6913, 0.4819, 0.3324 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, 115, 112) }
```

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

```
.border{ border-color:rgb(255, 115, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 115, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.6913, 0.4819, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 112) }
```

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

```
.background{ background-color: rgb(255,  
115, 112) }
```

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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