

# Converting Colors

$Y_{xy}(31.4004, 0.4842, 0.3108)$

Have a look what the booklet for  
Yxy(31.4004, 0.4842, 0.3108)  
contains.

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# Color

**Yxy(31.4917, 0.4844, 0.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6376
RGB	255, 99, 118
RGB Percent	100%, 39%, 46%
CMY	0.0000, 0.6117, 0.5373
CMYK	0.00, 0.61, 0.54, 0.00
HSL	353°, 100%, 69%
HSV	353°, 61%, 100%
XYZ	48.9714, 31.4917, 20.6339
YIQ	147.8100, 86.8770, 38.9810

# Conversions

## Conversions Part 2

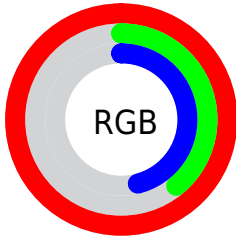
Format	Color
R <sub>Y</sub> B	255, 99, 118
Decimal	16737142
CIE Lab	62.92, 60.67, 21.19
CIE LCh	63, 64.260, 19.255
Yxy	31.4917, 0.4844, 0.3115
Android (android.graphics.Color)	4294927222 (0xFFFF6376)
YUV	147.8100, -14.6963, 94.0056
Hunter-Lab	56.1175, 57.5639, 17.4818

# Details

The Yxy color **31.4917, 0.4844, 0.3115** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.2302, 0.2456, 0.3516**, and the grayscale version is **29.5679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9392, 0.3962, 0.3145**, and **13.1659, 0.5402, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **26.9295, 0.5293, 0.3116**, and if you desaturate by 10%, it is **37.7085, 0.4424, 0.3132**.

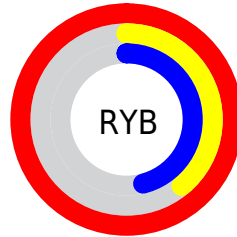
# Distribution



Red (100%)

Green (39%)

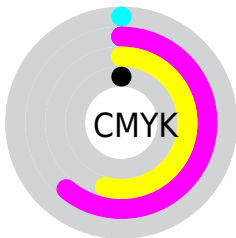
Blue (46%)



Red (100%)

Yellow (39%)

Blue (46%)

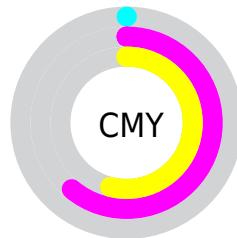


Cyan (0%)

Magenta (61%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (61%)


Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4917, 0.4844, 0.3115 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 31.4917, 0.4844, 0.3115 by changing the saturation by 10% instead.





 31.4917, 0.4844,  
0.3115

 31.4917, 0.4844,  
0.3115

308.7972, 0.3928,  
0.3251

 20.9736, 0.5085,  
0.3064


 62.0134, 0.4500,  
0.3177

 13.1047, 0.5400,  
0.2988


 82.7857, 0.4374,  
0.3196

 7.5007, 0.5821,  
0.2868

 107.7449, 0.4269,  
0.3211

 3.7771, 0.6402,  
0.2668

 137.2753, 0.4180,  
0.3223

 1.5497, 0.7486,  
0.2397

171.7613, 0.4103,  
0.3232

 0.3233, 0.8712,  
0.1288

211.5874, 0.4037,

 0.0000, 1.0000,

0.3239

0.0000

257.1379, 0.3979,  
0.3245

0.0000, 0.0000,  
0.0000

31.4917, 0.4844,  
0.3115

31.4917, 0.4844,  
0.3115

26.9295, 0.5293,  
0.3116

37.7085, 0.4424,  
0.3132

23.8584, 0.5723,  
0.3139

45.7127, 0.4059,  
0.3158

22.0907, 0.6073,  
0.3184

55.6296, 0.3753,  
0.3190

21.3590, 0.6278,  
0.3232

67.5716, 0.3505,  
0.3224

81.6426, 0.3304,  
0.3256

97.9394, 0.3144,  
0.3287

99.9999, 0.3127,  
0.3290

# Harmonies

## Analogous

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



31.4917, 0.3973, 0.2508



31.4917, 0.4844, 0.3115



31.4917, 0.5112, 0.3794

# Triad

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



31.4917, 0.4844, 0.3115



31.4917, 0.3053, 0.5106



31.4917, 0.1620, 0.1898

# Complementary

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



31.4917, 0.4844, 0.3115



80.2302, 0.2456, 0.3516

# 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.



31.4917, 0.1467, 0.2290



31.4917, 0.4844, 0.3115



31.4917, 0.2195, 0.4275

# Square

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



31.4917, 0.4844, 0.3115



31.4917, 0.3980, 0.5079



31.4917, 0.1643, 0.3117



31.4917, 0.2098, 0.1842



# Rectangle

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



31.4917, 0.4844, 0.3115



31.4917, 0.4925, 0.4266



31.4917, 0.1643, 0.3117



31.4917, 0.1534, 0.1986

# Sweetspot

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



31.4934, 0.4844, 0.3115



71.8001, 0.3436, 0.3234



33.6722, 0.3001, 0.1788



14.5362, 0.3499, 0.3225



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.



31.4934, 0.4844, 0.3115



26.2618, 0.5375, 0.3118



46.0073, 0.4649, 0.3860



18.0230, 0.3275, 0.3261



11.1718, 0.6253, 0.3218



1.0986, 0.6011, 0.3085



# Inverse Universe

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



31.4934, 0.4844, 0.3115



26.2618, 0.5375, 0.3118



50.1717, 0.2217, 0.2566



18.0230, 0.3275, 0.3261



11.1718, 0.6253, 0.3218



1.0986, 0.6011, 0.3085



# Previews

## White Background



This preview shows how the Yxy color 31.4917, 0.4844, 0.3115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

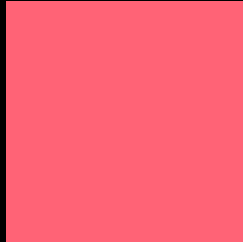
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.4917, 0.4844, 0.3115 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 31.4917, 0.4844, 0.3115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.4917, 0.4844, 0.3115.



This preview shows how white text looks on a background with the Yxy color 31.4917, 0.4844, 0.3115.

# 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

31.4917, 0.4844, 0.3115

### Protanopia

31.6382, 0.3254, 0.3413

### Deuteranopia

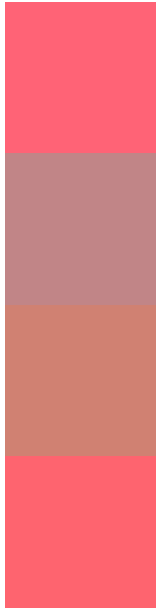
31.5292, 0.3873, 0.3791



## Tritanopia

31.4397, 0.4964, 0.3239

# Trichromacy



## Original Color

31.4917, 0.4844, 0.3115

## Protanomaly

29.8618, 0.3799, 0.3265

## Deuteranomaly

30.3253, 0.4239, 0.3484

## Tritanomaly

31.3329, 0.4920, 0.3192

# Monochromacy



## Original Color

31.4917, 0.4844, 0.3115

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

28.3362, 0.3718, 0.3194

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.4917, 0.4844, 0.3115 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, 99, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 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, 99, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 31.4917, 0.4844, 0.3115 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, 99, 118) }
```

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

```
.border{ border-color:rgb(255, 99, 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, 99, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.4917, 0.4844, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 118) }
```

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

```
.background{ background-color: rgb(255, 99,  
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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