

# Converting Colors

Yxy(31.8907, 0.4927, 0.3219)

Have a look what the booklet for  
Yxy(31.8907, 0.4927, 0.3219)  
contains.

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# Color

**Yxy(31.8885, 0.4928, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF666E
RGB	255, 102, 110
RGB Percent	100%, 40%, 43%
CMY	0.0001, 0.5999, 0.5685
CMYK	0.00, 0.60, 0.57, 0.00
HSL	357°, 100%, 70%
HSV	357°, 60%, 100%
XYZ	48.8033, 31.8885, 18.3408
YIQ	148.6590, 88.6200, 34.9240

# Conversions

## Conversions Part 2

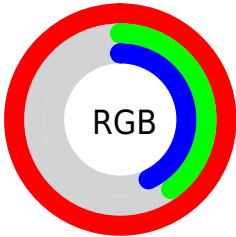
Format	Color
R <sub>Y</sub> B	255, 102, 110
Decimal	16737902
CIE Lab	63.25, 58.78, 26.18
CIE LCh	63, 64.352, 24.010
Yxy	31.8885, 0.4928, 0.3220
Android (android.graphics.Color)	4294927982 (0xFFFF666E)
YUV	148.6590, -19.0589, 93.2611
Hunter-Lab	56.4699, 55.4436, 20.2722

# Details

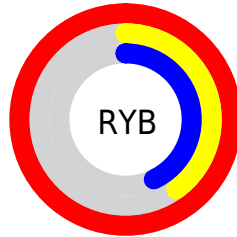
The Yxy color **31.8885, 0.4928, 0.3220** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.0518, 0.2421, 0.3382**, and the grayscale version is **29.9614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3224, 0.4035, 0.3251**, and **13.2931, 0.5488, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **27.1680, 0.5400, 0.3222**, and if you desaturate by 10%, it is **38.2968, 0.4482, 0.3226**.

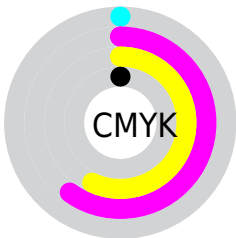
# Distribution



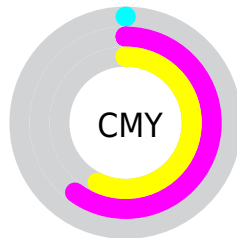
- Red (100%)
- Green (40%)
- Blue (43%)



- Red (100%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (60%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8885, 0.4928, 0.3220 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 31.8885, 0.4928, 0.3220 by changing the saturation by 10% instead.





 31.8885, 0.4928,  
0.3220

 31.8885, 0.4928,  
0.3220


310.6110, 0.3970,  
0.3311

 21.2763, 0.5178,  
0.3177


 62.6363, 0.4570,  
0.3268

 13.3262, 0.5500,  
0.3108


 83.5406, 0.4438,  
0.3281

 7.6535, 0.5926,  
0.2995


 108.6446, 0.4328,  
0.3291

 3.8741, 0.6502,  
0.2796

 138.3324, 0.4235,  
0.3298

 1.6034, 0.7498,  
0.2502

172.9886, 0.4154,  
0.3303

 0.3599, 0.8575,  
0.1425


212.9975, 0.4085,


 0.0000, 1.0000,


0.3306


0.0000


258.7435, 0.4024,  
0.3309


 0.0000, 0.0000,  
0.0000


 31.8885, 0.4928,  
0.3220


 31.8885, 0.4928,  
0.3220

 27.1680, 0.5400,  
0.3222


 38.2968, 0.4482,  
0.3226


 23.9715, 0.5840,  
0.3235


 46.5261, 0.4093,  
0.3237


 22.1122, 0.6176,  
0.3257

 56.7025, 0.3769,  
0.3250

 21.2880, 0.6363,  
0.3279

 68.9392, 0.3506,  
0.3264

 21.2874, 0.6363,  
0.3279

 83.3409, 0.3295,  
0.3277

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



31.8885, 0.4134, 0.2598



31.8885, 0.4928, 0.3220



31.8885, 0.5086, 0.3905

# Triad

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



31.8885, 0.4928, 0.3220



31.8885, 0.2907, 0.5023



31.8885, 0.1676, 0.1872

# Complementary

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



31.8885, 0.4928, 0.3220



81.0518, 0.2421, 0.3382

# 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.



31.8885, 0.1473, 0.2204



31.8885, 0.4928, 0.3220



31.8885, 0.2085, 0.4088

# Square

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



31.8885, 0.4928, 0.3220



31.8885, 0.3838, 0.5129



31.8885, 0.1595, 0.2957



31.8885, 0.2208, 0.1862



# Rectangle

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



31.8885, 0.4928, 0.3220



31.8885, 0.4842, 0.4377



31.8885, 0.1595, 0.2957



31.8885, 0.1573, 0.1942

# Sweetspot

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



31.8903, 0.4928, 0.3220



71.6384, 0.3460, 0.3267



36.1002, 0.3099, 0.1853



14.4977, 0.3528, 0.3263



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.



31.8903, 0.4928, 0.3220



26.4117, 0.5493, 0.3224



50.3352, 0.4533, 0.3955



18.0025, 0.3286, 0.3278



11.1307, 0.6348, 0.3271



1.0889, 0.6225, 0.3203



# Inverse Universe

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



31.8903, 0.4928, 0.3220



26.4117, 0.5493, 0.3224



46.3116, 0.2201, 0.2446



18.0025, 0.3286, 0.3278



11.1307, 0.6348, 0.3271



1.0889, 0.6225, 0.3203



# Previews

## White Background



This preview shows how the Yxy color 31.8885, 0.4928, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

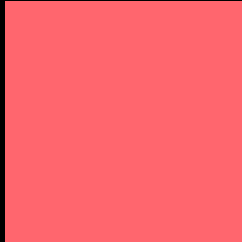
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.8885, 0.4928, 0.3220 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 31.8885, 0.4928, 0.3220**

## Background



This preview shows how black text looks on a background with the Yxy color 31.8885, 0.4928, 0.3220.



This preview shows how white text looks on a background with the Yxy color 31.8885, 0.4928, 0.3220.

# 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

31.8885, 0.4928, 0.3220

### Protanopia

32.0530, 0.3401, 0.3595

### Deuteranopia

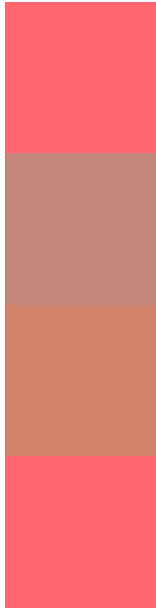
32.0371, 0.3983, 0.3908



## Tritanopia

31.8669, 0.4941, 0.3230

# Trichromacy



**Original Color**

31.8885, 0.4928, 0.3220

**Protanomaly**

30.1330, 0.3936, 0.3414

**Deuteranomaly**

30.9748, 0.4341, 0.3605

**Tritanomaly**

31.8669, 0.4941, 0.3230

# Monochromacy



**Original Color**

31.8885, 0.4928, 0.3220

**Achromatopsia**

30.0544, 0.3127, 0.3290

**Achromatomaly**

28.9432, 0.3746, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.8885, 0.4928, 0.3220 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, 102, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 110)  
}
```

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, 102, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 31.8885, 0.4928, 0.3220 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, 102, 110) }
```

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

```
.border{ border-color:rgb(255, 102, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.8885, 0.4928, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 110) }
```

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

```
.background{ background-color: rgb(255,  
102, 110) }
```

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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