

# Converting Colors

$Y_{xy}(31.5888, 0.4791, 0.3075)$

Have a look what the booklet for  
Yxy(31.5888, 0.4791, 0.3075)  
contains.

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# Color

**Yxy(31.5888, 0.4791, 0.3075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF637A
RGB	255, 99, 122
RGB Percent	100%, 39%, 48%
CMY	0.0000, 0.6118, 0.5215
CMYK	0.00, 0.61, 0.52, 0.00
HSL	351°, 100%, 69%
HSV	351°, 61%, 100%
XYZ	49.2169, 31.5888, 21.9221
YIQ	148.2660, 85.5930, 40.2250

# Conversions

## Conversions Part 2

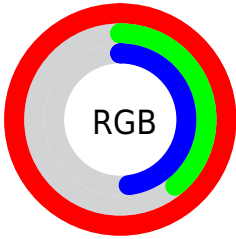
Format	Color
R <sub>Y</sub> B	255, 99, 122
Decimal	16737146
CIE Lab	63.00, 60.98, 18.99
CIE LCh	63, 63.873, 17.295
Yxy	31.5888, 0.4791, 0.3075
Android (android.graphics.Color)	4294927226 (0xFFFF637A)
YUV	148.2660, -12.9491, 93.6057
Hunter-Lab	56.2039, 57.9528, 16.2169

# Details

The Yxy color **31.5888, 0.4791, 0.3075** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **79.9979, 0.2473, 0.3566**, and the grayscale version is **29.7604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0929, 0.3921, 0.3103**, and **13.2181, 0.5327, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **27.0170, 0.5229, 0.3073**, and if you desaturate by 10%, it is **37.8078, 0.4384, 0.3096**.

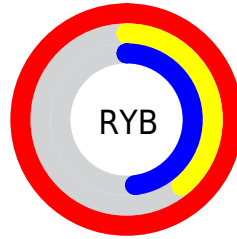
# Distribution



Red (100%)

Green (39%)

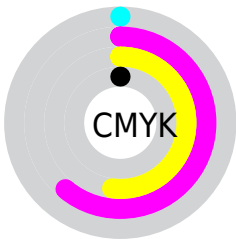
Blue (48%)



Red (100%)

Yellow (39%)

Blue (48%)

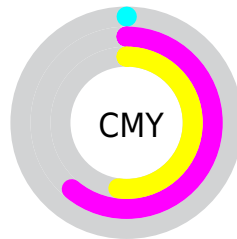


Cyan (0%)

Magenta (61%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (61%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5888, 0.4791, 0.3075 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 31.5888, 0.4791, 0.3075 by changing the saturation by 10% instead.





 31.5888, 0.4791,  
0.3075


 31.5888, 0.4791,  
0.3075


309.2418, 0.3903,  
0.3227

 21.0476, 0.5026,  
0.3022


 62.1659, 0.4458,  
0.3141

 13.1588, 0.5332,  
0.2944


 82.9706, 0.4335,  
0.3163

 7.5380, 0.5744,  
0.2824


 107.9653, 0.4233,  
0.3180

 3.8008, 0.6317,  
0.2626

 137.5343, 0.4147,  
0.3193

 1.5628, 0.7308,  
0.2334

172.0621, 0.4073,  
0.3204

 0.3323, 0.8697,  
0.1303

211.9330, 0.4009,

 0.0000, 1.0000,

0.3213

0.0000

257.5314, 0.3953,  
0.3220

■ 0.0000, 0.0000,  
0.0000

■ 31.5888, 0.4791,  
0.3075

■ 31.5888, 0.4791,  
0.3075

■ 27.0170, 0.5229,  
0.3073

■ 37.8078, 0.4384,  
0.3096

■ 23.9320, 0.5656,  
0.3098

■ 45.8081, 0.4030,  
0.3130

■ 22.1467, 0.6012,  
0.3150

■ 55.7137, 0.3735,  
0.3169

■ 21.3975, 0.6232,  
0.3207

■ 67.6363, 0.3494,  
0.3209

■ 81.6793, 0.3300,  
0.3249

97.9388, 0.3143,  
0.3286

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



31.5888, 0.3900, 0.2478



31.5888, 0.4791, 0.3075



31.5888, 0.5103, 0.3748

# Triad

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



31.5888, 0.4791, 0.3075



31.5888, 0.3117, 0.5117



31.5888, 0.1608, 0.1920

# Complementary

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



31.5888, 0.4791, 0.3075



79.9979, 0.2473, 0.3566

# 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.



31.5888, 0.1477, 0.2337



31.5888, 0.4791, 0.3075



31.5888, 0.2250, 0.4341

# Square

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



31.5888, 0.4791, 0.3075



31.5888, 0.4034, 0.5041



31.5888, 0.1676, 0.3188



31.5888, 0.2063, 0.1844



# Rectangle

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



31.5888, 0.4791, 0.3075



31.5888, 0.4944, 0.4217



31.5888, 0.1676, 0.3188



31.5888, 0.1529, 0.2016

# Sweetspot

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



31.5898, 0.4791, 0.3075



71.8613, 0.3428, 0.3222



33.2331, 0.2977, 0.1777



14.5508, 0.3488, 0.3210



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.



31.5898, 0.4791, 0.3075



26.3482, 0.5310, 0.3076



45.1408, 0.4670, 0.3834



18.0307, 0.3271, 0.3255



11.1937, 0.6203, 0.3191



1.1022, 0.5936, 0.3044



# Inverse Universe

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



31.5898, 0.4791, 0.3075



26.3482, 0.5310, 0.3076



51.3672, 0.2225, 0.2601



18.0307, 0.3271, 0.3255



11.1937, 0.6203, 0.3191



1.1022, 0.5936, 0.3044



# Previews

## White Background



This preview shows how the Yxy color 31.5888, 0.4791, 0.3075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

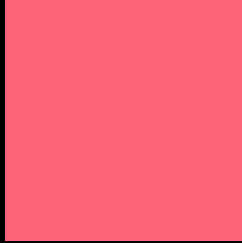
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.5888, 0.4791, 0.3075 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 31.5888, 0.4791, 0.3075**

## Background



This preview shows how black text looks on a background with the Yxy color 31.5888, 0.4791, 0.3075.



This preview shows how white text looks on a background with the Yxy color 31.5888, 0.4791, 0.3075.

# 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

31.5888, 0.4791, 0.3075

### Protanopia

31.6625, 0.3205, 0.3351

### Deuteranopia

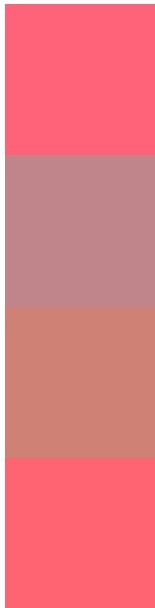
31.4989, 0.3819, 0.3737



## Tritanopia

31.4609, 0.4951, 0.3230

# Trichromacy



## Original Color

31.5888, 0.4791, 0.3075

## Protanomaly

29.8456, 0.3741, 0.3210

## Deuteranomaly

30.2739, 0.4180, 0.3434

## Tritanomaly

31.3774, 0.4894, 0.3172

# Monochromacy



## Original Color

31.5888, 0.4791, 0.3075

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

28.3941, 0.3695, 0.3166

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.5888, 0.4791, 0.3075 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, 122)` looks like.

```
.text, #text, p{  
  color:rgb(255, 99, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 31.5888, 0.4791, 0.3075 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, 122) }
```

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

```
.border{ border-color:rgb(255, 99, 122) }
```

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, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
122) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 31.5888, 0.4791, 0.3075$  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, 122) }
```

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

```
.background{ background-color: rgb(255, 99,  
122) }
```

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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