

# Converting Colors

$Y_{xy}(33.1760, 0.5208, 0.3201)$

Have a look what the booklet for  
Yxy(33.1760, 0.5208, 0.3201)  
contains.

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**Color**

**Yxy(29.8936, 0.5081, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5C67
RGB	255, 92, 103
RGB Percent	100%, 36%, 40%
CMY	0.0001, 0.6391, 0.5960
CMYK	0.00, 0.64, 0.60, 0.00
HSL	356°, 100%, 68%
HSV	356°, 64%, 100%
XYZ	47.5100, 29.8936, 16.1016
YIQ	141.9910, 93.6170, 37.9770

# Conversions

## Conversions Part 2

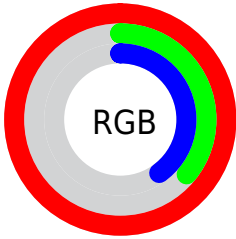
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 92, 103
Decimal	16735335
CIE <sub>Lab</sub>	61.56, 62.49, 27.97
CIE <sub>LCh</sub>	62, 68.464, 24.109
Yxy	29.8936, 0.5081, 0.3197
Android (android.graphics.Color)	4294925415 (0xFFFF5C67)
YUV	141.9910, -19.2226, 99.1089
Hunter-Lab	54.6750, 59.4266, 20.8119

# Details

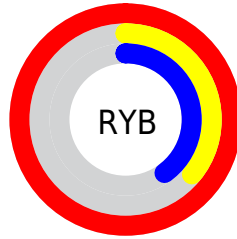
The Yxy color **29.8936, 0.5081, 0.3197** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted rose. A complement of this color would be **80.3142, 0.2405, 0.3419**, and the grayscale version is **27.1015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0880, 0.4156, 0.3241**, and **12.2308, 0.5712, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **25.7829, 0.5546, 0.3204**, and if you desaturate by 10%, it is **35.6292, 0.4626, 0.3202**.

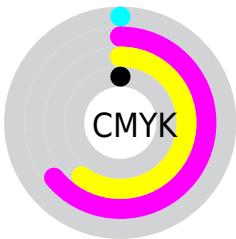
# Distribution



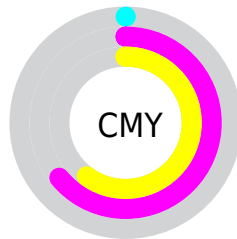
- Red (100%)
- Green (36%)
- Blue (40%)



- Red (100%)
- Yellow (36%)
- Blue (40%)



- Cyan (0%)
- Magenta (64%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8936, 0.5081, 0.3197 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 29.8936, 0.5081, 0.3197 by changing the saturation by 10% instead.





 29.8936, 0.5081,  
0.3197


 29.8936, 0.5081,  
0.3197


301.4082, 0.4035,  
0.3310


 19.7578, 0.5354,  
0.3144


 59.4939, 0.4689,  
0.3256


 12.2191, 0.5706,  
0.3060


 79.7272, 0.4545,  
0.3273

 6.8931, 0.6168,  
0.2921


 104.0951, 0.4425,  
0.3284

 3.3953, 0.6802,  
0.2688

 132.9821, 0.4323,  
0.3293

 1.3414, 0.7716,  
0.2284

166.7725, 0.4235,  
0.3299

 0.1730, 0.9206,  
0.0794

205.8507, 0.4160,

 0.0000, 1.0000,

0.3304


0.0000


250.6011, 0.4093,  
0.3307


 0.0000, 0.0000,  
0.0000


 29.8936, 0.5081,  
0.3197


 29.8936, 0.5081,  
0.3197

 25.7829, 0.5546,  
0.3204


 35.6292, 0.4626,  
0.3202


 23.1244, 0.5956,  
0.3224


 43.1297, 0.4219,  
0.3214


 21.7154, 0.6245,  
0.3255

 52.5254, 0.3876,  
0.3231

 21.2968, 0.6349,  
0.3271

 63.9332, 0.3595,  
0.3249

 77.4605, 0.3368,  
0.3267

 93.2071, 0.3188,  
0.3284

99.9958, 0.3127,  
0.3290

# Harmonies

## Analogous

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



29.8936, 0.4221, 0.2546



29.8936, 0.5081, 0.3197



29.8936, 0.5230, 0.3916

# Triad

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



29.8936, 0.5081, 0.3197



29.8936, 0.2866, 0.5195



29.8936, 0.1583, 0.1775

# Complementary

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



29.8936, 0.5081, 0.3197



80.3142, 0.2405, 0.3419

# 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.



29.8936, 0.1369, 0.2114



29.8936, 0.5081, 0.3197



29.8936, 0.1995, 0.4156

# Square

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



29.8936, 0.5081, 0.3197



29.8936, 0.3857, 0.5274



29.8936, 0.1487, 0.2911



29.8936, 0.2141, 0.1770



# Rectangle

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



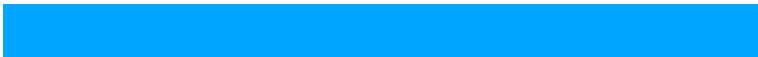
29.8936, 0.5081, 0.3197



29.8936, 0.4949, 0.4421



29.8936, 0.1487, 0.2911



29.8936, 0.1475, 0.1845

# Sweetspot

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



29.8953, 0.5081, 0.3197



70.3118, 0.3477, 0.3258



33.6496, 0.3069, 0.1771



14.2417, 0.3544, 0.3253



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.



29.8953, 0.5081, 0.3197



24.8184, 0.5682, 0.3208



47.1452, 0.4676, 0.3956



18.0069, 0.3284, 0.3274



11.1376, 0.6332, 0.3262



1.0910, 0.6177, 0.3176



# Inverse Universe

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



29.8953, 0.5081, 0.3197



24.8184, 0.5682, 0.3208



45.0718, 0.2158, 0.2417



18.0069, 0.3284, 0.3274



11.1376, 0.6332, 0.3262



1.0910, 0.6177, 0.3176



# Previews

## White Background



This preview shows how the Yxy color 29.8936, 0.5081, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8936, 0.5081, 0.3197 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 29.8936, 0.5081, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.8936, 0.5081, 0.3197.



This preview shows how white text looks on a background with the Yxy color 29.8936, 0.5081, 0.3197.

# 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

29.8936, 0.5081, 0.3197

### Protanopia

30.1213, 0.3407, 0.3620

### Deuteranopia

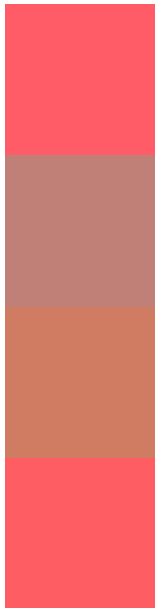
29.8755, 0.4052, 0.3961



## Tritanopia

29.9705, 0.5138, 0.3252

# Trichromacy



## Original Color

29.8936, 0.5081, 0.3197

## Protanomaly

27.9767, 0.4004, 0.3416

## Deuteranomaly

28.5625, 0.4453, 0.3619

## Tritanomaly

30.0088, 0.5113, 0.3233

# Monochromacy



## Original Color

29.8936, 0.5081, 0.3197

## Achromatopsia

27.0498, 0.3127, 0.3290

## Achromatomaly

26.0411, 0.3805, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8936, 0.5081, 0.3197 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, 92, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 103)  
}
```

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, 92, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8936, 0.5081, 0.3197 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, 92, 103) }
```

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

```
.border{ border-color:rgb(255, 92, 103) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8936, 0.5081, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 103) }
```

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

```
.background{ background-color: rgb(255, 92,  
103) }
```

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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