

# Converting Colors

$Yxy(33.0623, 0.5235, 0.3157)$

Have a look what the booklet for  
Yxy(33.0623, 0.5235, 0.3157)  
contains.

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**Color**

**Yxy(29.0963, 0.5087, 0.3136)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FF5769                     |
| RGB         | 255, 87, 105               |
| RGB Percent | 100%, 34%, 41%             |
| CMY         | 0.0000, 0.6588, 0.5883     |
| CMYK        | 0.00, 0.66, 0.59, 0.00     |
| HSL         | 354°, 100%, 67%            |
| HSV         | 354°, 66%, 100%            |
| XYZ         | 47.1980, 29.0963, 16.4873  |
| YIQ         | 139.2840, 94.3500, 41.2140 |

# Conversions

## Conversions Part 2

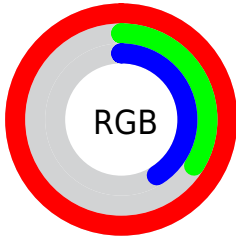
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| R <sub>Y</sub> B                    | 255, 87, 105                    |
| Decimal                             | 16734057                        |
| CIE Lab                             | 60.87, 64.62, 25.93             |
| CIE LCh                             | 61, 69.628, 21.862              |
| Yxy                                 | 29.0963, 0.5087,<br>0.3136      |
| Android<br>(android.graphics.Color) | 4294924137<br>(0xFFFF5769)      |
| YUV                                 | 139.2840, -16.9020,<br>101.4829 |
| Hunter-Lab                          | 53.9410, 61.7895,<br>19.6365    |

# Details

The Yxy color **29.0963, 0.5087, 0.3136** 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 **79.6629, 0.2419, 0.3505**, and the grayscale version is **25.9738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9111, 0.4151, 0.3178**, and **11.7998, 0.5728, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **25.2645, 0.5538, 0.3147**, and if you desaturate by 10%, it is **34.5131, 0.4642, 0.3143**.

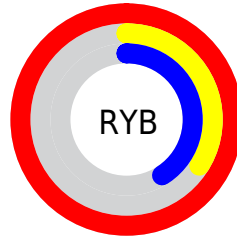
# Distribution



Red (100%)

Green (34%)

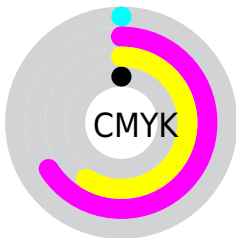
Blue (41%)



Red (100%)

Yellow (34%)

Blue (41%)

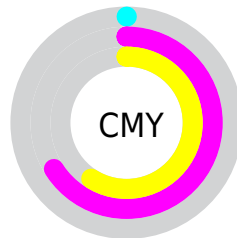


Cyan (0%)

Magenta (66%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (66%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0963, 0.5087, 0.3136 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 29.0963, 0.5087, 0.3136 by changing the saturation by 10% instead.




 29.0963, 0.5087,  
0.3136


 29.0963, 0.5087,  
0.3136

297.6691, 0.4033,  
0.3278

 19.1537, 0.5364,  
0.3076


 58.2301, 0.4691,  
0.3205


 11.7814, 0.5723,  
0.2984


 78.1900, 0.4546,  
0.3226

 6.5950, 0.6197,  
0.2836


 102.2578, 0.4425,  
0.3241

 3.2101, 0.6846,  
0.2588

 130.8179, 0.4322,  
0.3253

 1.2424, 0.7824,  
0.2176

164.2547, 0.4234,  
0.3261

 0.0959, 0.9535,  
0.0465

202.9525, 0.4158,

 0.0000, 1.0000,

0.3268


0.0000


247.2959, 0.4092,  
0.3274


 0.0000, 0.0000,  
0.0000


 29.0963, 0.5087,  
0.3136


 29.0963, 0.5087,  
0.3136

 25.2645, 0.5538,  
0.3147


 34.5131, 0.4642,  
0.3143


 22.8426, 0.5937,  
0.3178


 41.6587, 0.4243,  
0.3163

 21.6197, 0.6221,  
0.3227

 50.6644, 0.3903,  
0.3189

 21.3404, 0.6301,  
0.3245

 61.6480, 0.3623,  
0.3218

 74.7176, 0.3398,  
0.3247

 89.9734, 0.3216,  
0.3275

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.



29.0963, 0.4162, 0.2484



29.0963, 0.5087, 0.3136



29.0963, 0.5291, 0.3860

# Triad

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



29.0963, 0.5087, 0.3136



29.0963, 0.2927, 0.5295



29.0963, 0.1525, 0.1757

# Complementary

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



29.0963, 0.5087, 0.3136



79.6629, 0.2419, 0.3505

# 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.



29.0963, 0.1333, 0.2128



29.0963, 0.5087, 0.3136



29.0963, 0.2021, 0.4281

# Square

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



29.0963, 0.5087, 0.3136



29.0963, 0.3937, 0.5289



29.0963, 0.1477, 0.2979



29.0963, 0.2063, 0.1731



# Rectangle

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



29.0963, 0.5087, 0.3136



29.0963, 0.5028, 0.4374



29.0963, 0.1477, 0.2979



29.0963, 0.1425, 0.1836

# Sweetspot

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



29.0974, 0.5087, 0.3136



69.0718, 0.3485, 0.3235



31.7685, 0.3012, 0.1713



14.0049, 0.3549, 0.3227



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.



29.0974, 0.5087, 0.3136



24.3660, 0.5672, 0.3154



44.2124, 0.4787, 0.3912



18.0186, 0.3278, 0.3265



11.1610, 0.6277, 0.3232



1.0966, 0.6055, 0.3109



# Inverse Universe

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



29.0974, 0.5087, 0.3136



24.3660, 0.5672, 0.3154



46.3357, 0.2152, 0.2461



18.0186, 0.3278, 0.3265



11.1610, 0.6277, 0.3232



1.0966, 0.6055, 0.3109



# Previews

## White Background



This preview shows how the Yxy color 29.0963, 0.5087, 0.3136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

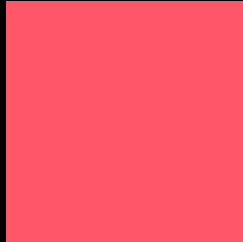
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 29.0963, 0.5087, 0.3136 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 29.0963, 0.5087, 0.3136**

## Background



This preview shows how black text looks on a background with the Yxy color 29.0963, 0.5087, 0.3136.

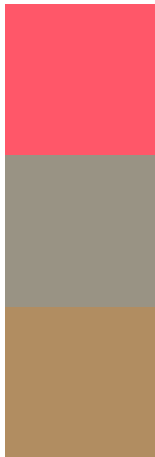


This preview shows how white text looks on a background with the Yxy color 29.0963, 0.5087, 0.3136.

# 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

29.0963, 0.5087, 0.3136

### Protanopia

29.3057, 0.3339, 0.3528

### Deuteranopia

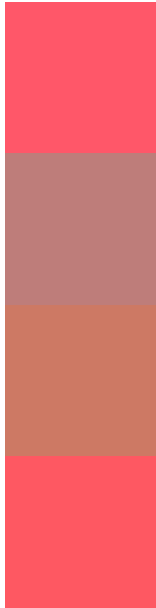
29.2599, 0.4004, 0.3930



## Tritanopia

29.0237, 0.5207, 0.3253

# Trichromacy



## Original Color

29.0963, 0.5087, 0.3136

## Protanomaly

27.0195, 0.3959, 0.3334

## Deuteranomaly

27.5740, 0.4430, 0.3560

## Tritanomaly

28.9321, 0.5164, 0.3208

# Monochromacy



## Original Color

29.0963, 0.5087, 0.3136

## Achromatopsia

25.8183, 0.3127, 0.3290

## Achromatomaly

24.7890, 0.3810, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.0963, 0.5087, 0.3136 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, 87, 105)` looks like.

```
.text, #text, p{  
  color:rgb(255, 87, 105)  
}
```

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, 87, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 29.0963, 0.5087, 0.3136 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, 87, 105) }
```

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

```
.border{ border-color:rgb(255, 87, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 87, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.0963, 0.5087, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 105) }
```

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

```
.background{ background-color: rgb(255, 87,  
105) }
```

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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