

# Converting Colors

$Y_{xy}(35.6015, 0.5246, 0.3145)$

Have a look what the booklet for  
Yxy(35.6015, 0.5246, 0.3145)  
contains.

<b>Yxy(29.5089, 0.5022, 0.3115)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(29.5089, 0.5022, 0.3115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF596D
RGB	255, 89, 109
RGB Percent	100%, 35%, 43%
CMY	0.0000, 0.6510, 0.5727
CMYK	0.00, 0.65, 0.57, 0.00
HSL	353°, 100%, 67%
HSV	353°, 65%, 100%
XYZ	47.5742, 29.5089, 17.6485
YIQ	140.9140, 92.5160, 41.4120

# Conversions

## Conversions Part 2

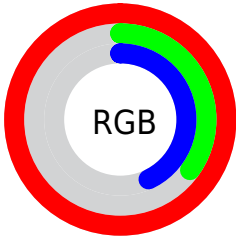
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 89, 109
Decimal	16734573
CIE <sub>Lab</sub>	61.23, 64.11, 24.11
CIE <sub>LCh</sub>	61, 68.493, 20.606
Yxy	29.5089, 0.5022, 0.3115
Android (android.graphics.Color)	4294924653 (0xFFFF596D)
YUV	140.9140, -15.7336, 100.0534
Hunter-Lab	54.3221, 61.2631, 18.7630

# Details

The Yxy color **29.5089, 0.5022, 0.3115** 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 **79.6439, 0.2432, 0.3530**, and the grayscale version is **26.6350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6655, 0.4100, 0.3156**, and **12.0200, 0.5635, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **25.5516, 0.5471, 0.3124**, and if you desaturate by 10%, it is **35.0581, 0.4586, 0.3125**.

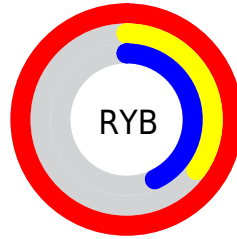
# Distribution



Red (100%)

Green (35%)

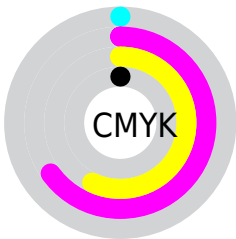
Blue (43%)



Red (100%)

Yellow (35%)

Blue (43%)

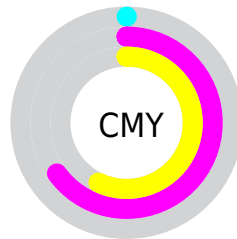


Cyan (0%)

Magenta (65%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (65%)


Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5089, 0.5022, 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 29.5089, 0.5022, 0.3115 by changing the saturation by 10% instead.




 29.5089, 0.5022,  
0.3115


 29.5089, 0.5022,  
0.3115


299.6086, 0.4004,  
0.3262


 19.4661, 0.5291,  
0.3056


 58.8847, 0.4639,  
0.3184

 12.0076, 0.5639,  
0.2967


 78.9864, 0.4499,  
0.3206

 6.7488, 0.6103,  
0.2824


 103.2100, 0.4382,  
0.3222

 3.3055, 0.6733,  
0.2584

 131.9398, 0.4283,  
0.3234

 1.2932, 0.7785,  
0.2215

165.5601, 0.4198,  
0.3244

 0.1360, 0.9368,  
0.0632

204.4554, 0.4125,


 0.0000, 1.0000,

0.3251


0.0000


249.0101, 0.4060,  
0.3257


 0.0000, 0.0000,  
0.0000

 29.5089, 0.5022,  
0.3115


 29.5089, 0.5022,  
0.3115

 25.5516, 0.5471,  
0.3124


 35.0581, 0.4586,  
0.3125


 23.0178, 0.5877,  
0.3156


 42.3447, 0.4197,  
0.3149


 21.7002, 0.6179,  
0.3208

 51.4973, 0.3867,  
0.3179

 21.3572, 0.6281,  
0.3233

 62.6326, 0.3597,  
0.3212

 75.8574, 0.3378,  
0.3244

 91.2713, 0.3203,  
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.



29.5089, 0.4094, 0.2474



29.5089, 0.5022, 0.3115



29.5089, 0.5259, 0.3829

# Triad

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



29.5089, 0.5022, 0.3115



29.5089, 0.2979, 0.5269



29.5089, 0.1535, 0.1790

# Complementary

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



29.5089, 0.5022, 0.3115



79.6439, 0.2432, 0.3530

# 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.



29.5089, 0.1359, 0.2176



29.5089, 0.5022, 0.3115



29.5089, 0.2076, 0.4314

# Square

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



29.5089, 0.5022, 0.3115



29.5089, 0.3971, 0.5235



29.5089, 0.1519, 0.3036



29.5089, 0.2052, 0.1750



# Rectangle

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



29.5089, 0.5022, 0.3115



29.5089, 0.5022, 0.4334



29.5089, 0.1519, 0.3036



29.5089, 0.1441, 0.1874

# Sweetspot

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



29.5088, 0.5022, 0.3115



69.1056, 0.3479, 0.3228



31.6665, 0.2988, 0.1715



14.0128, 0.3543, 0.3219



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.



29.5088, 0.5022, 0.3115



24.6777, 0.5596, 0.3131



43.7521, 0.4784, 0.3881



18.0226, 0.3275, 0.3262



11.1707, 0.6255, 0.3219



1.0984, 0.6015, 0.3087



# Inverse Universe

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



29.5088, 0.5022, 0.3115



24.6777, 0.5596, 0.3131



47.9874, 0.2170, 0.2510



18.0226, 0.3275, 0.3262



11.1707, 0.6255, 0.3219



1.0984, 0.6015, 0.3087



# Previews

## White Background



This preview shows how the Yxy color 29.5089, 0.5022, 0.3115 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 29.5089, 0.5022, 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 × Fail

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

**Yxy 29.5089, 0.5022, 0.3115**

## Background



This preview shows how black text looks on a background with the Yxy color 29.5089, 0.5022, 0.3115.



This preview shows how white text looks on a background with the Yxy color 29.5089, 0.5022, 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

29.5089, 0.5022, 0.3115

### Protanopia

29.8274, 0.3308, 0.3479

### Deuteranopia

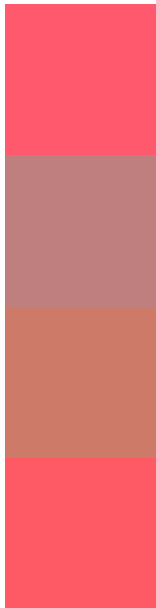
29.6327, 0.3956, 0.3887



## Tritanopia

29.4161, 0.5156, 0.3243

# Trichromacy



## Original Color

29.5089, 0.5022, 0.3115

## Protanomaly

27.7615, 0.3911, 0.3306

## Deuteranomaly

28.1445, 0.4367, 0.3536

## Tritanomaly

29.3227, 0.5112, 0.3198

# Monochromacy



## Original Color

29.5089, 0.5022, 0.3115

## Achromatopsia

26.6356, 0.3127, 0.3290

## Achromatomaly

25.4491, 0.3788, 0.3191

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.5089, 0.5022, 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, 89, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 109)  
}
```

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, 89, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 29.5089, 0.5022, 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, 89, 109) }
```

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

```
.border{ border-color:rgb(255, 89, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 89, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.5089, 0.5022, 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, 89, 109) }
```

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

```
.background{ background-color: rgb(255, 89,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor