

# Converting Colors

$Y_{xy}(36.4744, 0.4229, 0.2864)$

Have a look what the booklet for  
Yxy(36.4744, 0.4229, 0.2864)  
contains.

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# Color

**Yxy(36.4858, 0.4229, 0.2865)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF759F
RGB	255, 117, 159
RGB Percent	100%, 46%, 62%
CMY	0.0000, 0.5411, 0.3764
CMYK	0.00, 0.54, 0.38, 0.00
HSL	342°, 100%, 73%
HSV	342°, 54%, 100%
XYZ	53.8564, 36.4858, 37.0079
YIQ	163.0500, 68.7660, 42.3180

# Conversions

## Conversions Part 2

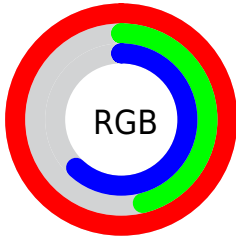
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 117, 159
Decimal	16741791
CIE Lab	66.89, 56.47, 3.34
CIE LCh	67, 56.565, 3.383
Yxy	36.4858, 0.4229, 0.2865
Android (android.graphics.Color)	4294931871 (0xFFFF759F)
YUV	163.0500, -1.9966, 80.6402
Hunter-Lab	60.4035, 53.4463, 5.9567

# Details

The Yxy color **36.4858, 0.4229, 0.2865** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.0990, 0.2615, 0.3801**, and the grayscale version is **36.6388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0022, 0.3501, 0.2870**, and **15.8895, 0.4562, 0.2722** is the 20% darker color. If you saturate the color by 10%, you get **30.7599, 0.4564, 0.2816**, and if you desaturate by 10%, it is **43.9217, 0.3935, 0.2935**.

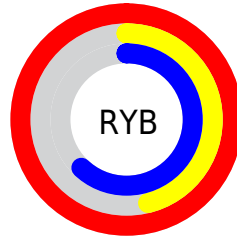
# Distribution



Red (100%)

Green (46%)

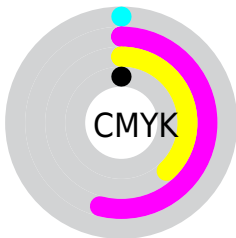
Blue (62%)



Red (100%)

Yellow (46%)

Blue (62%)

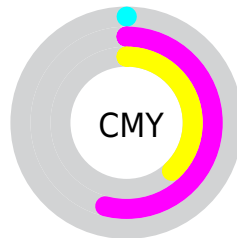


Cyan (0%)

Magenta (54%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (54%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4858, 0.4229, 0.2865 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 36.4858, 0.4229, 0.2865 by changing the saturation by 10% instead.





 36.4858, 0.4229,  
0.2865


 36.4858, 0.4229,  
0.2865


331.0789, 0.3657,  
0.3090


 24.8096, 0.4378,  
0.2805


 69.7812, 0.4017,  
0.2950

 15.9353, 0.4571,  
0.2726


 92.1693, 0.3938,  
0.2981

 9.4784, 0.4833,  
0.2618


 118.8967, 0.3872,  
0.3006

 5.0545, 0.5205,  
0.2462

150.3480, 0.3816,  
0.3028

 2.2793, 0.5767,  
0.2219

186.9074, 0.3768,  
0.3047

 0.7627, 0.6761,  
0.1817

228.9595, 0.3726,


 0.0000, 1.0000,


0.3063


0.0000

276.8885, 0.3689,  
0.3078

 0.0000, 0.0000,  
0.0000


 36.4858, 0.4229,  
0.2865


 36.4858, 0.4229,  
0.2865

 30.7599, 0.4564,  
0.2816

 43.9217, 0.3935,  
0.2935


 26.5998, 0.4927,  
0.2801


 53.1852, 0.3687,  
0.3015


 23.8469, 0.5292,  
0.2829

 64.3897, 0.3481,  
0.3099

 22.3054, 0.5625,  
0.2906

 77.6380, 0.3313,  
0.3181

 21.8020, 0.5796,  
0.2966

 93.0256, 0.3176,  
0.3259

99.9976, 0.3127,  
0.3290

# Harmonies

## Analogous

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



36.4858, 0.3374, 0.2386



36.4858, 0.4229, 0.2865



36.4858, 0.4756, 0.3448

# Triad

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



36.4858, 0.4229, 0.2865



36.4858, 0.3528, 0.4878



36.4858, 0.1707, 0.2240

# Complementary

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



36.4858, 0.4229, 0.2865



80.0990, 0.2615, 0.3801

# 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.



36.4858, 0.1731, 0.2787



36.4858, 0.4229, 0.2865



36.4858, 0.2724, 0.4530

# Square

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



36.4858, 0.4229, 0.2865



36.4858, 0.4268, 0.4619



36.4858, 0.2075, 0.3657



36.4858, 0.1981, 0.2027



# Rectangle

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



36.4858, 0.4229, 0.2865



36.4858, 0.4807, 0.3858



36.4858, 0.2075, 0.3657



36.4858, 0.1682, 0.2383

# Sweetspot

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



36.4877, 0.4229, 0.2865



74.9794, 0.3342, 0.3166



33.8386, 0.2797, 0.1843



15.4458, 0.3375, 0.3149



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.



36.4877, 0.4229, 0.2865



30.3309, 0.4595, 0.2813



41.9813, 0.4581, 0.3551



18.0781, 0.3246, 0.3218



11.4164, 0.5753, 0.2943



1.1300, 0.5433, 0.2767



# Inverse Universe

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



36.4877, 0.4229, 0.2865



30.3309, 0.4595, 0.2813



67.4251, 0.2374, 0.2986



18.0781, 0.3246, 0.3218



11.4164, 0.5753, 0.2943

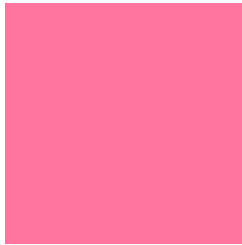


1.1300, 0.5433, 0.2767



# Previews

## White Background



This preview shows how the Yxy color 36.4858, 0.4229, 0.2865 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 36.4858, 0.4229, 0.2865 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 36.4858, 0.4229, 0.2865**

## Background



This preview shows how black text looks on a background with the Yxy color 36.4858, 0.4229, 0.2865.



This preview shows how white text looks on a background with the Yxy color 36.4858, 0.4229, 0.2865.

# 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

36.4858, 0.4229, 0.2865

### Protanopia

36.7568, 0.2898, 0.2953

### Deuteranopia

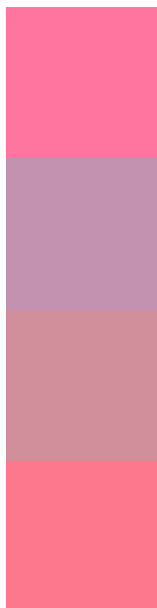
36.4811, 0.3424, 0.3346



## Tritanopia

36.4404, 0.4531, 0.3202

# Trichromacy



## Original Color

36.4858, 0.4229, 0.2865

## Protanomaly

35.1617, 0.3329, 0.2900

## Deuteranomaly

35.2679, 0.3714, 0.3128

## Tritanomaly

36.4269, 0.4429, 0.3079

# Monochromacy



## Original Color

36.4858, 0.4229, 0.2865

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

34.9022, 0.3492, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.4858, 0.4229, 0.2865 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, 117, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 159)  
}
```

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, 117, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 36.4858, 0.4229, 0.2865 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, 117, 159) }
```

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

```
.border{ border-color:rgb(255, 117, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.4858, 0.4229, 0.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 159) }
```

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

```
.background{ background-color: rgb(255,  
117, 159) }
```

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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