

# Converting Colors

$Y_{xy}(35.4686, 0.4206, 0.2858)$

Have a look what the booklet for  
Yxy(35.4686, 0.4206, 0.2858)  
contains.

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# Color

**Yxy(35.4686, 0.4206, 0.2858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FB749E
RGB	251, 116, 158
RGB Percent	98%, 45%, 62%
CMY	0.0157, 0.5450, 0.3804
CMYK	0.00, 0.54, 0.37, 0.02
HSL	341°, 94%, 72%
HSV	341°, 54%, 98%
XYZ	52.1977, 35.4686, 36.4366
YIQ	161.1530, 66.9780, 41.6820

# Conversions

## Conversions Part 2

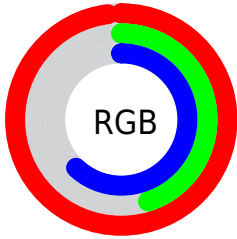
Format	Color
R <sub>Y</sub> B	251, 116, 158
Decimal	16479390
CIE Lab	66.11, 55.53, 2.72
CIE LCh	66, 55.592, 2.803
Yxy	35.4686, 0.4206, 0.2858
Android (android.graphics.Color)	4294669470 (0xFFFB749E)
YUV	161.1530, -1.5544, 78.7958
Hunter-Lab	59.5555, 52.2249, 5.4147

# Details

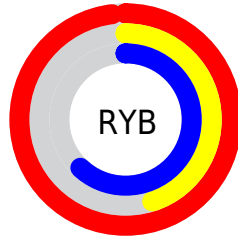
The Yxy color **35.4686, 0.4206, 0.2858** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **77.3083, 0.2622, 0.3809**, and the grayscale version is **35.7014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5185, 0.3520, 0.2879**, and **15.3696, 0.4547, 0.2713** is the 20% darker color. If you saturate the color by 10%, you get **29.8897, 0.4536, 0.2807**, and if you desaturate by 10%, it is **42.6977, 0.3918, 0.2930**.

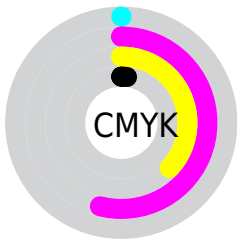
# Distribution



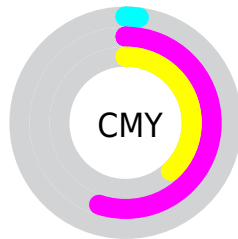
- Red (98%)
- Green (45%)
- Blue (62%)



- Red (98%)
- Yellow (45%)
- Blue (62%)



- Cyan (0%)
- Magenta (54%)
- Yellow (37%)
- Black (2%)




- Cyan (2%)
- Magenta (55%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4686, 0.4206, 0.2858 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 35.4686, 0.4206, 0.2858 by changing the saturation by 10% instead.





 35.4686, 0.4206,  
0.2858

 35.4686, 0.4206,  
0.2858


326.6319, 0.3643,  
0.3087

 24.0241, 0.4353,  
0.2797


 68.2111, 0.3997,  
0.2944

 15.3515, 0.4545,  
0.2717


 90.2778, 0.3919,  
0.2976

 9.0664, 0.4806,  
0.2606


 116.6540, 0.3855,  
0.3002

 4.7845, 0.5178,  
0.2446

147.7242, 0.3800,  
0.3024

 2.1214, 0.5745,  
0.2197

183.8727, 0.3752,  
0.3043

 0.6766, 0.6808,  
0.1765

225.4839, 0.3711,


 0.0000, 1.0000,


0.3060


0.0000

272.9421, 0.3675,  
0.3074


 0.0000, 0.0000,  
0.0000


 35.4686, 0.4206,  
0.2858


 35.4686, 0.4206,  
0.2858


 29.8897, 0.4536,  
0.2807


 42.6977, 0.3918,  
0.2930


 25.8230, 0.4894,  
0.2788


 51.6896, 0.3674,  
0.3013


 23.1170, 0.5256,  
0.2814

 62.5530, 0.3472,  
0.3098

 21.5853, 0.5589,  
0.2889

 75.3865, 0.3306,  
0.3182

 21.0586, 0.5770,  
0.2952

 90.2816, 0.3171,  
0.3261

99.2479, 0.3102,  
0.3290

# Harmonies

## Analogous

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



35.4686, 0.3355, 0.2385



35.4686, 0.4206, 0.2858



35.4686, 0.4738, 0.3436

# Triad

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



35.4686, 0.4206, 0.2858



35.4686, 0.3542, 0.4866



35.4686, 0.1714, 0.2255

# Complementary

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



35.4686, 0.4206, 0.2858



77.3083, 0.2622, 0.3809

# 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.



35.4686, 0.1744, 0.2806



35.4686, 0.4206, 0.2858



35.4686, 0.2742, 0.4532

# Square

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



35.4686, 0.4206, 0.2858



35.4686, 0.4274, 0.4602



35.4686, 0.2092, 0.3673



35.4686, 0.1980, 0.2036



# Rectangle

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



35.4686, 0.4206, 0.2858



35.4686, 0.4797, 0.3844



35.4686, 0.2092, 0.3673



35.4686, 0.1690, 0.2399

# Sweetspot

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



35.4704, 0.4206, 0.2858



74.9942, 0.3340, 0.3163



32.9051, 0.2800, 0.1852



15.4493, 0.3373, 0.3146



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.



35.4704, 0.4206, 0.2858



30.3633, 0.4580, 0.2802



40.7486, 0.4566, 0.3549



17.3141, 0.3245, 0.3216



11.0929, 0.5727, 0.2929



1.0456, 0.5391, 0.2743



# Inverse Universe

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



35.4704, 0.4206, 0.2858



30.3633, 0.4580, 0.2802



65.2057, 0.2378, 0.2988



17.3141, 0.3245, 0.3216



11.0929, 0.5727, 0.2929



1.0456, 0.5391, 0.2743



# Previews

## White Background



This preview shows how the Yxy color 35.4686, 0.4206, 0.2858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

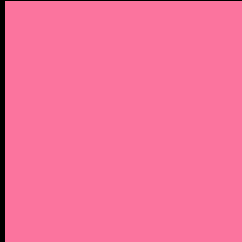
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.4686, 0.4206, 0.2858 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 35.4686, 0.4206, 0.2858**

## Background



This preview shows how black text looks on a background with the Yxy color 35.4686, 0.4206, 0.2858.



This preview shows how white text looks on a background with the Yxy color 35.4686, 0.4206, 0.2858.

# 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

35.4686, 0.4206, 0.2858

### Protanopia

35.7704, 0.2896, 0.2949

### Deuteranopia

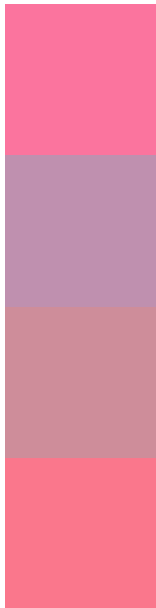
35.7472, 0.3406, 0.3347



## Tritanopia

35.4262, 0.4511, 0.3201

# Trichromacy



## Original Color

35.4686, 0.4206, 0.2858

## Protanomaly

34.1180, 0.3311, 0.2882

## Deuteranomaly

34.5047, 0.3697, 0.3126

## Tritanomaly

35.4111, 0.4408, 0.3076

# Monochromacy



## Original Color

35.4686, 0.4206, 0.2858

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

34.2582, 0.3494, 0.3092

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.4686, 0.4206, 0.2858 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(251, 116, 158)` looks like.

```
.text, #text, p{  
    color:rgb(251, 116, 158)  
}
```

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(251, 116, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 116, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4686, 0.4206, 0.2858 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(251, 116, 158) }
```

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

```
.border{ border-color:rgb(251, 116, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 116, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 116, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 116, 158);  
box-shadow:4px 4px 4px 4px rgb(251, 116,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4686, 0.4206, 0.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 116, 158) }
```

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

```
.background{ background-color: rgb(251,  
116, 158) }
```

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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