

# Converting Colors

$Y_{xy}(44.0091, 0.3667, 0.2807)$

Have a look what the booklet for  
Yxy(44.0091, 0.3667, 0.2807)  
contains.

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# Color

**Yxy(44.0857, 0.3668, 0.2807)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F593C0
RGB	245, 147, 192
RGB Percent	96%, 58%, 75%
CMY	0.0392, 0.4235, 0.2469
CMYK	0.00, 0.40, 0.22, 0.04
HSL	332°, 83%, 77%
HSV	332°, 40%, 96%
XYZ	57.6082, 44.0857, 55.3623
YIQ	181.4320, 43.9630, 34.7710

# Conversions

## Conversions Part 2

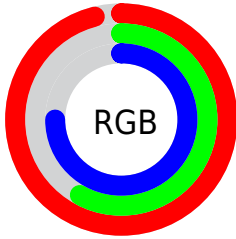
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 147, 192
Decimal	16094144
CIE <sub>Lab</sub>	72.29, 42.60, -7.41
CIE <sub>LCh</sub>	72, 43.240, 350.128
Yxy	44.0857, 0.3668, 0.2807
Android (android.graphics.Color)	4294284224 (0xFFFF593C0)
YUV	181.4320, 5.2100, 55.7491
Hunter-Lab	66.3971, 38.6775, -2.9585

# Details

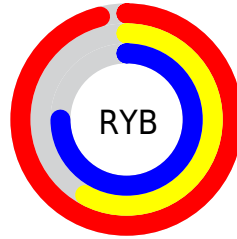
The Yxy color **44.0857, 0.3668, 0.2807** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.6787, 0.2796, 0.3839**, and the grayscale version is **46.4097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2784, 0.3201, 0.2836**, and **20.4343, 0.3815, 0.2674** is the 20% darker color. If you saturate the color by 10%, you get **36.7015, 0.3872, 0.2692**, and if you desaturate by 10%, it is **53.1494, 0.3494, 0.2930**.

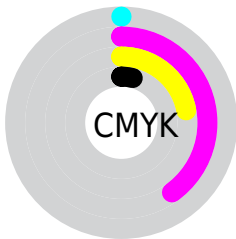
# Distribution



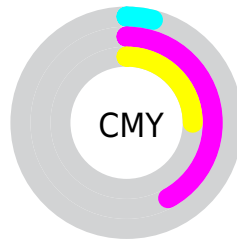
- Red (96%)
- Green (58%)
- Blue (75%)



- Red (96%)
- Yellow (58%)
- Blue (75%)



- Cyan (0%)
- Magenta (40%)
- Yellow (22%)
- Black (4%)



- Cyan (4%)
- Magenta (42%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0857, 0.3668, 0.2807 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 44.0857, 0.3668, 0.2807 by changing the saturation by 10% instead.




 44.0857, 0.3668,  
0.2807

 44.0857, 0.3668,  
0.2807

363.0579, 0.3400,  
0.3042

 30.7379, 0.3734,  
0.2750


 81.3467, 0.3571,  
0.2891

 20.3993, 0.3819,  
0.2678


 106.0286, 0.3534,  
0.2923

 12.6857, 0.3931,  
0.2585


135.2575, 0.3503,  
0.2950

 7.2124, 0.4085,  
0.2458

169.4175, 0.3477,  
0.2974

 3.5953, 0.4311,  
0.2277

208.8932, 0.3454,  
0.2994

 1.4499, 0.4671,  
0.2000

254.0688, 0.3433,

 0.2530, 0.5652,

0.3012

0.1051

305.3290, 0.3416,  
0.3028

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.0857, 0.3668,  
0.2807

44.0857, 0.3668,  
0.2807

36.7015, 0.3872,  
0.2692

53.1494, 0.3494,  
0.2930

30.8851, 0.4106,  
0.2595

63.9823, 0.3348,  
0.3055

26.5212, 0.4366,  
0.2530

76.6754, 0.3227,  
0.3176

23.4757, 0.4639,  
0.2508

91.3113, 0.3127,  
0.3290

■ 21.5890, 0.4913,  
0.2540

■ 98.1532, 0.3066,  
0.3290

■ 20.5961, 0.5171,  
0.2622

# Harmonies

## Analogous

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



44.0857, 0.3038, 0.2488



44.0857, 0.3668, 0.2807



44.0857, 0.4172, 0.3238

# Triad

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



44.0857, 0.3668, 0.2807



44.0857, 0.3711, 0.4400



44.0857, 0.2034, 0.2685

# Complementary

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



44.0857, 0.3668, 0.2807



75.6787, 0.2796, 0.3839

# 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.



44.0857, 0.2173, 0.3207



44.0857, 0.3668, 0.2807



44.0857, 0.3118, 0.4313

# Square

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



44.0857, 0.3668, 0.2807



44.0857, 0.4172, 0.4143



44.0857, 0.2557, 0.3842



44.0857, 0.2144, 0.2393



# Rectangle

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



44.0857, 0.3668, 0.2807



44.0857, 0.4337, 0.3554



44.0857, 0.2557, 0.3842



44.0857, 0.2052, 0.2836

# Sweetspot

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



44.0878, 0.3668, 0.2807



80.9868, 0.3250, 0.3152



39.6390, 0.2784, 0.2183



16.9315, 0.3265, 0.3136



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.



44.0878, 0.3668, 0.2807



41.5932, 0.3831, 0.2713



43.4175, 0.4130, 0.3329



16.6092, 0.3221, 0.3182



11.1224, 0.5132, 0.2601



0.9981, 0.4829, 0.2434



# Inverse Universe

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



44.0878, 0.3668, 0.2807



41.5932, 0.3831, 0.2713



76.1436, 0.2569, 0.3251



16.6092, 0.3221, 0.3182



11.1224, 0.5132, 0.2601



0.9981, 0.4829, 0.2434



# Previews

## White Background



This preview shows how the Yxy color 44.0857, 0.3668, 0.2807 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

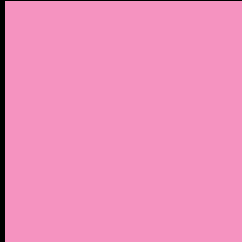
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0857, 0.3668, 0.2807 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 44.0857, 0.3668, 0.2807**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0857, 0.3668, 0.2807.



This preview shows how white text looks on a background with the Yxy color 44.0857, 0.3668, 0.2807.

# 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

44.0857, 0.3668, 0.2807

### Protanopia

44.4117, 0.2819, 0.2840

### Deuteranopia

44.0830, 0.3155, 0.3086



## Tritanopia

44.0141, 0.3916, 0.3160

# Trichromacy



## Original Color

44.0857, 0.3668, 0.2807



## Protanomaly

43.2757, 0.3096, 0.2812



## Deuteranomaly

43.5701, 0.3337, 0.2976



## Tritanomaly

43.9234, 0.3827, 0.3029

# Monochromacy



## Original Color

44.0857, 0.3668, 0.2807



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

44.7161, 0.3310, 0.3093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0857, 0.3668, 0.2807 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(245, 147, 192)` looks like.

```
.text, #text, p{  
    color:rgb(245, 147, 192)  
}
```

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(245, 147, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 147, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0857, 0.3668, 0.2807 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(245, 147, 192) }
```

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

```
.border{ border-color:rgb(245, 147, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 147, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 147, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 147, 192); box-shadow:4px 4px 4px 4px rgb(245, 147, 192) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0857, 0.3668, 0.2807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 147, 192) }
```

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

```
.background{ background-color: rgb(245,  
147, 192) }
```

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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