

# Converting Colors

$Y_{xy}(33.8596, 0.4095, 0.2727)$

Have a look what the booklet for  
Yxy(33.8596, 0.4095, 0.2727)  
contains.

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# Color

**Yxy(33.8596, 0.4095, 0.2727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F76FA5
RGB	247, 111, 165
RGB Percent	97%, 44%, 65%
CMY	0.0312, 0.5648, 0.3529
CMYK	0.00, 0.55, 0.33, 0.03
HSL	336°, 90%, 70%
HSV	336°, 55%, 97%
XYZ	50.8453, 33.8596, 39.4594
YIQ	157.8200, 63.7220, 45.6260

# Conversions

## Conversions Part 2

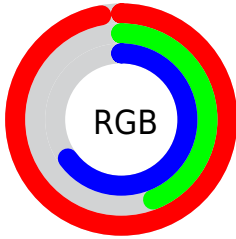
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 111, 165
Decimal	16215973
CIE Lab	64.85, 57.39, -3.19
CIE LCh	65, 57.482, 356.816
Yxy	33.8596, 0.4095, 0.2727
Android (android.graphics.Color)	4294406053 (0xFFFF76FA5)
YUV	157.8200, 3.5397, 78.2109
Hunter-Lab	58.1890, 54.1417, 0.5263

# Details

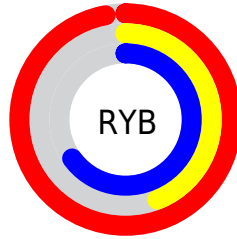
The Yxy color **33.8596, 0.4095, 0.2727** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **73.7742, 0.2669, 0.3981**, and the grayscale version is **34.0661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0647, 0.3458, 0.2750**, and **14.3954, 0.4405, 0.2558** is the 20% darker color. If you saturate the color by 10%, you get **28.6858, 0.4379, 0.2659**, and if you desaturate by 10%, it is **40.5901, 0.3844, 0.2819**.

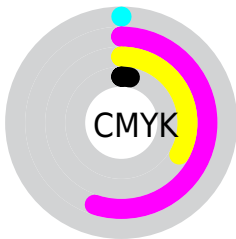
# Distribution



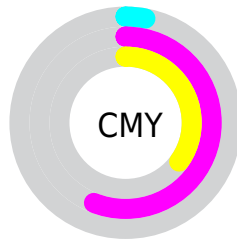
- Red (97%)
- Green (44%)
- Blue (65%)



- Red (97%)
- Yellow (44%)
- Blue (65%)



- Cyan (0%)
- Magenta (55%)
- Yellow (33%)
- Black (3%)




- Cyan (3%)
- Magenta (56%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8596, 0.4095, 0.2727 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 33.8596, 0.4095, 0.2727 by changing the saturation by 10% instead.





 33.8596, 0.4095,  
0.2727


 33.8596, 0.4095,  
0.2727


319.5056, 0.3591,  
0.3017

 22.7858, 0.4227,  
0.2653


 65.7153, 0.3907,  
0.2834

 14.4354, 0.4399,  
0.2556


 87.2659, 0.3838,  
0.2873

 8.4241, 0.4633,  
0.2426


 113.0776, 0.3780,  
0.2907

 4.3675, 0.4969,  
0.2242

143.5347, 0.3731,  
0.2935

 1.8812, 0.5483,  
0.1966

179.0217, 0.3689,  
0.2960

 0.5370, 0.6436,  
0.1423

219.9229, 0.3652,

 0.0000, 1.0000,

0.2981

0.0000

266.6227, 0.3620,  
0.3000

0.0000, 0.0000,  
0.0000

33.8596, 0.4095,  
0.2727

33.8596, 0.4095,  
0.2727

28.6858, 0.4379,  
0.2659

40.5901, 0.3844,  
0.2819

24.9352, 0.4686,  
0.2628

48.9860, 0.3630,  
0.2923

22.4602, 0.5000,  
0.2646

59.1523, 0.3451,  
0.3032

21.0773, 0.5297,  
0.2718

71.1835, 0.3302,  
0.3138

20.6656, 0.5434,  
0.2767

85.1678, 0.3180,  
0.3241

98.4809, 0.3082,  
0.3296

98.5215, 0.3078,  
0.3290

# Harmonies

## Analogous

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



33.8596, 0.3180, 0.2270



33.8596, 0.4095, 0.2727



33.8596, 0.4748, 0.3309

# Triad

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



33.8596, 0.4095, 0.2727



33.8596, 0.3715, 0.4930



33.8596, 0.1639, 0.2291

# Complementary

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



33.8596, 0.4095, 0.2727



73.7742, 0.2669, 0.3981

# 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.



33.8596, 0.1731, 0.2936



33.8596, 0.4095, 0.2727



33.8596, 0.2879, 0.4730

# Square

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



33.8596, 0.4095, 0.2727



33.8596, 0.4443, 0.4549



33.8596, 0.2156, 0.3892



33.8596, 0.1854, 0.2005



# Rectangle

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



33.8596, 0.4095, 0.2727



33.8596, 0.4884, 0.3728



33.8596, 0.2156, 0.3892



33.8596, 0.1635, 0.2463

# Sweetspot

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



33.8613, 0.4095, 0.2727



73.8219, 0.3329, 0.3118



29.3672, 0.2688, 0.1779



15.2260, 0.3358, 0.3097



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.



33.8613, 0.4095, 0.2727



30.3458, 0.4410, 0.2654



35.4893, 0.4696, 0.3434



16.5916, 0.3231, 0.3196



10.9514, 0.5391, 0.2743



0.9822, 0.5059, 0.2560



# Inverse Universe

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



33.8613, 0.4095, 0.2727



30.3458, 0.4410, 0.2654



68.6192, 0.2394, 0.3123



16.5916, 0.3231, 0.3196



10.9514, 0.5391, 0.2743



0.9822, 0.5059, 0.2560



# Previews

## White Background



This preview shows how the Yxy color 33.8596, 0.4095, 0.2727 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 33.8596, 0.4095, 0.2727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

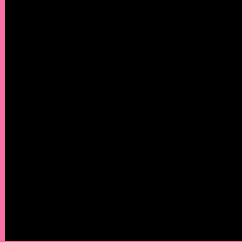
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.8596, 0.4095, 0.2727**

## Background



This preview shows how black text looks on a background with the Yxy color 33.8596, 0.4095, 0.2727.



This preview shows how white text looks on a background with the Yxy color 33.8596, 0.4095, 0.2727.

# 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

33.8596, 0.4095, 0.2727

### Protanopia

34.0615, 0.2746, 0.2749

### Deuteranopia

34.1353, 0.3282, 0.3219



## Tritanopia

33.9591, 0.4511, 0.3209

# Trichromacy



## Original Color

33.8596, 0.4095, 0.2727



## Protanomaly

32.4894, 0.3174, 0.2719



## Deuteranomaly

33.0295, 0.3564, 0.2992



## Tritanomaly

33.8263, 0.4361, 0.3028

# Monochromacy



## Original Color

33.8596, 0.4095, 0.2727



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

32.5701, 0.3450, 0.3021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.8596, 0.4095, 0.2727 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(247, 111, 165)` looks like.

```
.text, #text, p{  
    color:rgb(247, 111, 165)  
}
```

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(247, 111, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 111, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 33.8596, 0.4095, 0.2727 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(247, 111, 165) }
```

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

```
.border{ border-color:rgb(247, 111, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 111, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 111, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 111, 165);  
box-shadow:4px 4px 4px 4px rgb(247, 111,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.8596, 0.4095, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 111, 165) }
```

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

```
.background{ background-color: rgb(247,  
111, 165) }
```

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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