

# Converting Colors

$Y_{xy}(35.3879, 0.3597, 0.2416)$

Have a look what the booklet for  
Yxy(35.3879, 0.3597, 0.2416)  
contains.

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# Color

**Yxy(35.4180, 0.3590, 0.2412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F075C8
RGB	240, 117, 200
RGB Percent	94%, 46%, 78%
CMY	0.0589, 0.5411, 0.2156
CMYK	0.00, 0.51, 0.17, 0.06
HSL	320°, 80%, 70%
HSV	320°, 51%, 94%
XYZ	52.7158, 35.4180, 58.7070
YIQ	163.2390, 46.6650, 51.8890

# Conversions

## Conversions Part 2

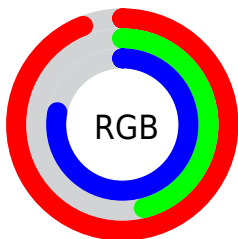
Format	Color
R <sub>YB</sub>	240, 117, 200
Decimal	15758792
CIE <sub>Lab</sub>	66.07, 57.04, -21.28
CIE <sub>LCh</sub>	66, 60.884, 339.545
Yxy	35.4180, 0.3590, 0.2412
Android (android.graphics.Color)	4293948872 (0xFFFF075C8)
YUV	163.2390, 18.1232, 67.3194
Hunter-Lab	59.5130, 53.9651, -16.8278

# Details

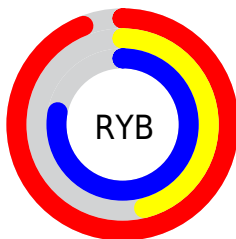
The Yxy color **35.4180, 0.3590, 0.2412** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **68.5224, 0.2860, 0.4396**, and the grayscale version is **36.6441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **15.2366, 0.3706, 0.2179** is the 20% darker color. If you saturate the color by 10%, you get **30.1693, 0.3720, 0.2272**, and if you desaturate by 10%, it is **42.1218, 0.3472, 0.2574**.

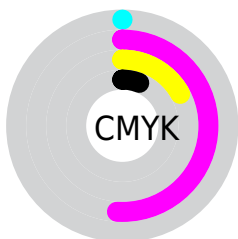
# Distribution



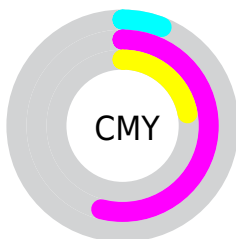
- Red (94%)
- Green (46%)
- Blue (78%)



- Red (94%)
- Yellow (46%)
- Blue (78%)



- Cyan (0%)
- Magenta (51%)
- Yellow (17%)
- Black (6%)




- Cyan (6%)
- Magenta (54%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4180, 0.3590, 0.2412 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 35.4180, 0.3590, 0.2412 by changing the saturation by 10% instead.





 35.4180, 0.3590,  
0.2412


 35.4180, 0.3590,  
0.2412


326.4095, 0.3365,  
0.2835

 23.9850, 0.3644,  
0.2312

 68.1328, 0.3510,  
0.2562

 15.3225, 0.3711,  
0.2187


 90.1835, 0.3480,  
0.2619

 9.0461, 0.3799,  
0.2026


 116.5421, 0.3453,  
0.2668

 4.7712, 0.3915,  
0.1813

147.5932, 0.3431,  
0.2711

 2.1137, 0.4078,  
0.1522

183.7211, 0.3411,  
0.2748

 0.6723, 0.4326,  
0.1085

225.3102, 0.3394,


 0.0000, 0.4930,


0.2780


0.0000


272.7449, 0.3379,  
0.2809

 0.0000, 0.0000,  
0.0000


 35.4180, 0.3590,  
0.2412


 35.4180, 0.3590,  
0.2412


 30.1693, 0.3720,  
0.2272


 42.1218, 0.3472,  
0.2574


 26.2585, 0.3858,  
0.2167


 50.3759, 0.3368,  
0.2749


 23.5587, 0.4000,  
0.2105

 60.2732, 0.3278,  
0.2927

 21.9157, 0.4142,  
0.2094


 71.8980, 0.3200,  
0.3102

 21.1283, 0.4262,  
0.2122

 85.3287, 0.3134,  
0.3270

 96.7444, 0.3081,  
0.3370

 97.2357, 0.3037,  
0.3294

 97.2607, 0.3035,  
0.3290

# Harmonies

## Analogous

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



35.4180, 0.2666, 0.2053



35.4180, 0.3590, 0.2412



35.4180, 0.4483, 0.2947

# Triad

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



35.4180, 0.3590, 0.2412



35.4180, 0.4191, 0.4810



35.4180, 0.1602, 0.2583

# Complementary

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



35.4180, 0.3590, 0.2412



68.5224, 0.2860, 0.4396

# 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.



35.4180, 0.1887, 0.3469



35.4180, 0.3590, 0.2412



35.4180, 0.3362, 0.5010

# Square

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



35.4180, 0.3590, 0.2412



35.4180, 0.4791, 0.4230



35.4180, 0.2516, 0.4487



35.4180, 0.1645, 0.2085



# Rectangle

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



35.4180, 0.3590, 0.2412



35.4180, 0.4852, 0.3359



35.4180, 0.2516, 0.4487



35.4180, 0.1658, 0.2838

# Sweetspot

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



35.4197, 0.3590, 0.2412



77.2018, 0.3228, 0.3036



26.0820, 0.2428, 0.1769



15.9193, 0.3244, 0.2998



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.



35.4197, 0.3590, 0.2412



34.6499, 0.3719, 0.2273



33.1298, 0.4324, 0.3048



15.9389, 0.3188, 0.3132



11.5943, 0.4241, 0.2110



0.9827, 0.4071, 0.2016



# Inverse Universe

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



35.4197, 0.3590, 0.2412



34.6499, 0.3719, 0.2273



71.1207, 0.2564, 0.3571



15.9389, 0.3188, 0.3132



11.5943, 0.4241, 0.2110



0.9827, 0.4071, 0.2016



# Previews

## White Background



This preview shows how the Yxy color 35.4180, 0.3590, 0.2412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

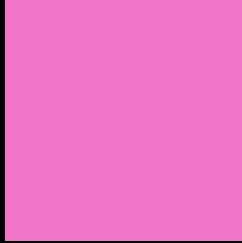
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.4180, 0.3590, 0.2412 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 35.4180, 0.3590, 0.2412**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.4180, 0.3590, 0.2412.



This preview shows how white text looks on a background with the Yxy color 35.4180, 0.3590, 0.2412.

# 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

35.4180, 0.3590, 0.2412

### Protanopia

35.9691, 0.2425, 0.2338

### Deuteranopia

35.5413, 0.2857, 0.2792



## Tritanopia

35.3511, 0.4196, 0.3180

# Trichromacy



## Original Color

35.4180, 0.3590, 0.2412



## Protanomaly

34.2278, 0.2760, 0.2329



## Deuteranomaly

34.2787, 0.3100, 0.2600



## Tritanomaly

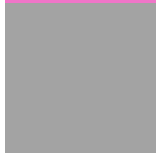
35.1087, 0.3972, 0.2879

# Monochromacy



## Original Color

35.4180, 0.3590, 0.2412



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

34.7687, 0.3298, 0.2896

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.4180, 0.3590, 0.2412 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(240, 117, 200)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 200)  
}
```

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(240, 117, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4180, 0.3590, 0.2412 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(240, 117, 200) }
```

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

```
.border{ border-color:rgb(240, 117, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 200);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4180, 0.3590, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 200) }
```

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

```
.background{ background-color: rgb(240,  
117, 200) }
```

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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