

# Converting Colors

Yxy(33.6416, 0.3647, 0.2156)

Have a look what the booklet for  
Yxy(33.6416, 0.3647, 0.2156)  
contains.

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# Color

**Yxy(33.6678, 0.3641, 0.2153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5CD4
RGB	255, 92, 212
RGB Percent	100%, 36%, 83%
CMY	0.0002, 0.6390, 0.1687
CMYK	0.00, 0.64, 0.17, 0.00
HSL	316°, 100%, 68%
HSV	316°, 64%, 100%
XYZ	56.9366, 33.6678, 65.7718
YIQ	154.4170, 58.6280, 71.8760

# Conversions

## Conversions Part 2

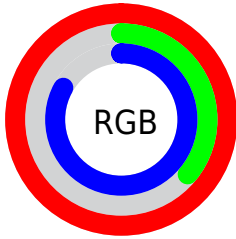
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 92, 212
Decimal	16735444
CIE <sub>Lab</sub>	64.70, 73.65, -29.93
CIE <sub>LCh</sub>	65, 79.504, 337.884
Yxy	33.6678, 0.3641, 0.2153
Android (android.graphics.Color)	4294925524 (0xFFFF5CD4)
YUV	154.4170, 28.3884, 88.2113
Hunter-Lab	58.0240, 73.6129, -26.5902

# Details

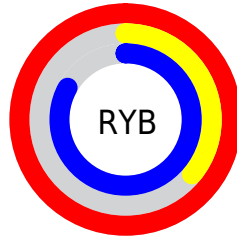
The Yxy color **33.6678, 0.3641, 0.2153** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.5209, 0.2869, 0.4865**, and the grayscale version is **32.3708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6132, 0.3174, 0.2284**, and **14.3781, 0.3770, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **29.6349, 0.3750, 0.2048**, and if you desaturate by 10%, it is **39.2040, 0.3536, 0.2295**.

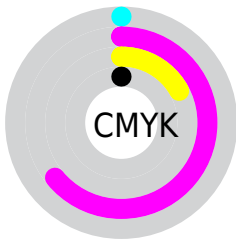
# Distribution



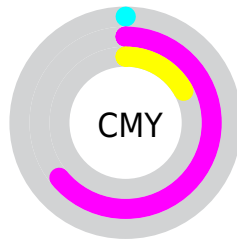
- Red (100%)
- Green (36%)
- Blue (83%)



- Red (100%)
- Yellow (36%)
- Blue (83%)



- Cyan (0%)
- Magenta (64%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6678, 0.3641, 0.2153 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 33.6678, 0.3641, 0.2153 by changing the saturation by 10% instead.




 33.6678, 0.3641,  
0.2153


 33.6678, 0.3641,  
0.2153


318.6482, 0.3400,  
0.2687

 22.6385, 0.3696,  
0.2031


 65.4167, 0.3557,  
0.2339


 14.3268, 0.3763,  
0.1881


 86.9052, 0.3525,  
0.2411

 8.3483, 0.3847,  
0.1693


 112.6488, 0.3497,  
0.2473

 4.3186, 0.3953,  
0.1453

 143.0320, 0.3473,  
0.2527

 1.8533, 0.4091,  
0.1141

178.4391, 0.3451,  
0.2575

 0.5201, 0.4294,  
0.0680

219.2546, 0.3432,

 0.0000, 0.4588,

0.2616

0.0000

265.8628, 0.3416,  
0.2654

■ 0.0000, 0.4310,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 33.6678, 0.3641,  
0.2153

■ 33.6678, 0.3641,  
0.2153

■ 29.6349, 0.3750,  
0.2048

■ 39.2040, 0.3536,  
0.2295

■ 26.9442, 0.3860,  
0.1990


■ 46.3730, 0.3439,  
0.2465


■ 25.4068, 0.3968,  
0.1981

■ 55.2959, 0.3351,  
0.2650

■ 24.8692, 0.4031,  
0.1994

■ 66.0810, 0.3273,  
0.2842

 78.8278, 0.3205,  
0.3034

 93.6288, 0.3147,  
0.3220

99.9916, 0.3127,  
0.3290

# Harmonies

## Analogous

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



33.6678, 0.2457, 0.1743



33.6678, 0.3641, 0.2153



33.6678, 0.4863, 0.2773

# Triad

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



33.6678, 0.3641, 0.2153



33.6678, 0.4424, 0.5121



33.6678, 0.1244, 0.2377

# Complementary

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



33.6678, 0.3641, 0.2153



75.5209, 0.2869, 0.4865

# 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.



33.6678, 0.1568, 0.3564



33.6678, 0.3641, 0.2153



33.6678, 0.3385, 0.5605

# Square

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



33.6678, 0.3641, 0.2153



33.6678, 0.5223, 0.4290



33.6678, 0.2337, 0.5020



33.6678, 0.1291, 0.1779



# Rectangle

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



33.6678, 0.3641, 0.2153



33.6678, 0.5361, 0.3248



33.6678, 0.2337, 0.5020



33.6678, 0.1306, 0.2704

# Sweetspot

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



33.6695, 0.3641, 0.2153



72.0918, 0.3238, 0.2937



19.8517, 0.2128, 0.1340



14.6690, 0.3258, 0.2882



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.



33.6695, 0.3641, 0.2153



28.6733, 0.3785, 0.2025



30.6045, 0.4679, 0.2906



18.2137, 0.3179, 0.3117



13.0257, 0.4015, 0.1985



1.2863, 0.3902, 0.1923



# Inverse Universe

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



33.6695, 0.3641, 0.2153



28.6733, 0.3785, 0.2025



78.6374, 0.2526, 0.3796



18.2137, 0.3179, 0.3117



13.0257, 0.4015, 0.1985



1.2863, 0.3902, 0.1923



# Previews

## White Background



This preview shows how the Yxy color 33.6678, 0.3641, 0.2153 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

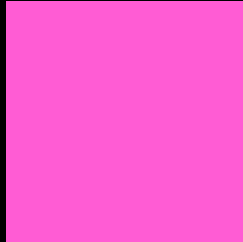
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.6678, 0.3641, 0.2153 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 33.6678, 0.3641, 0.2153**

## Background



This preview shows how black text looks on a background with the Yxy color 33.6678, 0.3641, 0.2153.

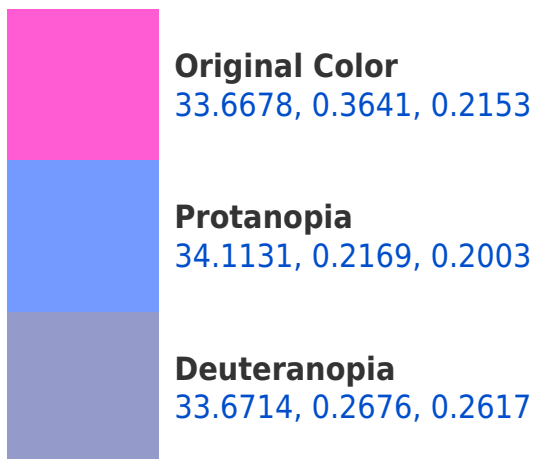


This preview shows how white text looks on a background with the Yxy color 33.6678, 0.3641, 0.2153.

# 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





## Tritanopia

33.5388, 0.4585, 0.3211

# Trichromacy



## Original Color

33.6678, 0.3641, 0.2153



## Protanomaly

30.6801, 0.2544, 0.1969



## Deuteranomaly

31.2536, 0.2981, 0.2344



## Tritanomaly

33.0554, 0.4245, 0.2788

# Monochromacy



## Original Color

33.6678, 0.3641, 0.2153



## Achromatopsia

32.3143, 0.3127, 0.3290



## Achromatomaly

30.4041, 0.3328, 0.2710

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6678, 0.3641, 0.2153 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, 92, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 212)  
}
```

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, 92, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6678, 0.3641, 0.2153 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, 92, 212) }
```

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

```
.border{ border-color:rgb(255, 92, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.6678, 0.3641, 0.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 212) }
```

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

```
.background{ background-color: rgb(255, 92,  
212) }
```

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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