

# Converting Colors

$Y_{xy}(30.4304, 0.3550, 0.1916)$

Have a look what the booklet for  
Yxy(30.4304, 0.3550, 0.1916)  
contains.

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**Color**

**Yxy(30.4304, 0.3550, 0.1916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF42DE
RGB	255, 66, 222
RGB Percent	100%, 26%, 87%
CMY	0.0000, 0.7413, 0.1294
CMYK	0.00, 0.74, 0.13, 0.00
HSL	310°, 100%, 63%
HSV	310°, 74%, 100%
XYZ	56.3820, 30.4304, 72.0101
YIQ	140.2950, 62.5680, 88.5840

# Conversions

## Conversions Part 2

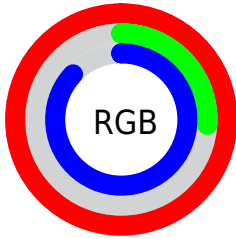
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 66, 222
Decimal	16728798
CIE Lab	62.02, 83.81, -39.73
CIE LCh	62, 92.747, 334.638
Yxy	30.4304, 0.3550, 0.1916
Android (android.graphics.Color)	4294918878 (0xFFFF42DE)
YUV	140.2950, 40.2806, 100.5963
Hunter-Lab	55.1638, 85.9055, -38.7819

# Details

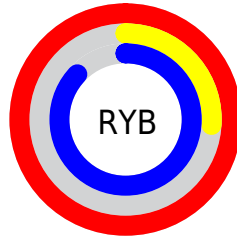
The Yxy color **30.4304, 0.3550, 0.1916** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.5768, 0.2923, 0.5343**, and the grayscale version is **26.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7126, 0.3182, 0.2111**, and **14.2225, 0.3612, 0.1764** is the 20% darker color. If you saturate the color by 10%, you get **27.8471, 0.3617, 0.1844**, and if you desaturate by 10%, it is **34.3367, 0.3481, 0.2032**.

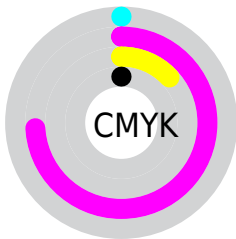
# Distribution



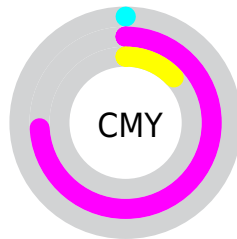
- Red (100%)
- Green (26%)
- Blue (87%)



- Red (100%)
- Yellow (26%)
- Blue (87%)



- Cyan (0%)
- Magenta (74%)
- Yellow (13%)
- Black (0%)



- Cyan (0%)
- Magenta (74%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4304, 0.3550, 0.1916 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 30.4304, 0.3550, 0.1916 by changing the saturation by 10% instead.





 30.4304, 0.3550,  
0.1916


 30.4304, 0.3550,  
0.1916


303.9055, 0.3367,  
0.2550

 20.1655, 0.3587,  
0.1775


 60.3422, 0.3490,  
0.2134


 12.5154, 0.3630,  
0.1605


 80.7578, 0.3465,  
0.2219

 7.0957, 0.3679,  
0.1396


 105.3259, 0.3444,  
0.2293

 3.5220, 0.3732,  
0.1137

 134.4307, 0.3425,  
0.2358

 1.4100, 0.3784,  
0.0819

 168.4567, 0.3408,  
0.2415

 0.2240, 0.3879,  
0.0271

207.7882, 0.3393,

 0.0000, 0.3763,

0.2465

0.0000

252.8097, 0.3379,  
0.2510

■ 0.0000, 0.2018,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 30.4304, 0.3550,  
0.1916

■ 30.4304, 0.3550,  
0.1916

■ 27.8471, 0.3617,  
0.1844

■ 34.3367, 0.3481,  
0.2032


■ 26.4096, 0.3681,  
0.1820

■ 39.7370, 0.3413,  
0.2187

■ 25.9375, 0.3718,  
0.1822

■ 46.7614, 0.3348,  
0.2371

■ 55.5297, 0.3288,  
0.2574

 66.1503, 0.3234,  
0.2786

 78.7227, 0.3185,  
0.2999

 93.3397, 0.3143,  
0.3207

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



30.4304, 0.2208, 0.1501



30.4304, 0.3550, 0.1916



30.4304, 0.5068, 0.2573

# Triad

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



30.4304, 0.3550, 0.1916



30.4304, 0.4623, 0.5204



30.4304, 0.1004, 0.2286

# Complementary

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



30.4304, 0.3550, 0.1916



73.5768, 0.2923, 0.5343

# 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.



30.4304, 0.1371, 0.3783



30.4304, 0.3550, 0.1916



30.4304, 0.3437, 0.6031

# Square

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



30.4304, 0.3550, 0.1916



30.4304, 0.5566, 0.4189



30.4304, 0.2256, 0.5608



30.4304, 0.1034, 0.1586



# Rectangle

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



30.4304, 0.3550, 0.1916



30.4304, 0.5715, 0.3074



30.4304, 0.2256, 0.5608



30.4304, 0.1074, 0.2686

# Sweetspot

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



30.4256, 0.3550, 0.1916



68.6661, 0.3223, 0.2832



13.6786, 0.1856, 0.1016



14.0164, 0.3237, 0.2774



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.



30.4256, 0.3550, 0.1916



27.0190, 0.3649, 0.1827



26.7358, 0.4845, 0.2747



18.2427, 0.3165, 0.3096



13.5728, 0.3708, 0.1816



1.3352, 0.3641, 0.1779



# Inverse Universe

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



30.4256, 0.3550, 0.1916



27.0190, 0.3649, 0.1827



76.4820, 0.2553, 0.4109



18.2427, 0.3165, 0.3096



13.5728, 0.3708, 0.1816



1.3352, 0.3641, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 30.4304, 0.3550, 0.1916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

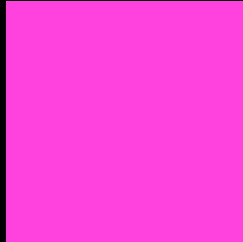
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.4304, 0.3550, 0.1916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

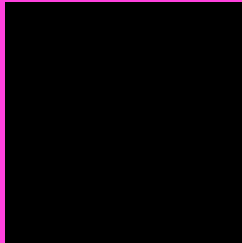
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.4304, 0.3550, 0.1916**

## Background



This preview shows how black text looks on a background with the Yxy color 30.4304, 0.3550, 0.1916.



This preview shows how white text looks on a background with the Yxy color 30.4304, 0.3550, 0.1916.

# 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

30.4304, 0.3550, 0.1916

### Protanopia

30.9122, 0.2075, 0.1889

### Deuteranopia

30.5001, 0.2463, 0.2402



## Tritanopia

30.2595, 0.4818, 0.3235

# Trichromacy



## Original Color

30.4304, 0.3550, 0.1916



## Protanomaly

26.6970, 0.2427, 0.1763



## Deuteranomaly

26.9259, 0.2789, 0.2069



## Tritanomaly

29.5032, 0.4363, 0.2684

# Monochromacy



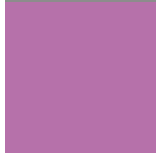
## Original Color

30.4304, 0.3550, 0.1916



## Achromatopsia

26.2251, 0.3127, 0.3290



## Achromatomaly

24.6576, 0.3305, 0.2511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.4304, 0.3550, 0.1916 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, 66, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 222)  
}
```

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, 66, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 30.4304, 0.3550, 0.1916 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, 66, 222) }
```

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

```
.border{ border-color:rgb(255, 66, 222) }
```

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

Here you see how a box with a 4 pixel rgb(255, 66, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.4304, 0.3550, 0.1916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 222) }
```

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

```
.background{ background-color: rgb(255, 66,  
222) }
```

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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