

# Converting Colors

$Y_{xy}(26.4255, 0.3598, 0.1756)$

Have a look what the booklet for  
Yxy(26.4255, 0.3598, 0.1756)  
contains.

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**Color**

**Yxy(26.4273, 0.3598, 0.1755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00DC
RGB	255, 0, 220
RGB Percent	100%, 0%, 86%
CMY	0.0000, 1.0000, 0.1371
CMYK	0.00, 1.00, 0.14, 0.00
HSL	308°, 100%, 50%
HSV	308°, 100%, 100%
XYZ	54.1797, 26.4273, 69.9759
YIQ	101.3250, 81.3600, 122.4800

# Conversions

## Conversions Part 2

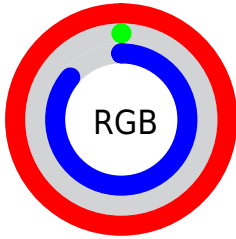
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 0, 220
Decimal	16711900
CIE <sub>Lab</sub>	58.44, 93.71, -44.25
CIE <sub>LCh</sub>	58, 103.632, 334.724
Yxy	26.4273, 0.3598, 0.1755
Android (android.graphics.Color)	4294901980 (0xFFFF00DC)
YUV	101.3250, 58.5068, 134.7730
Hunter-Lab	51.4075, 98.1628, -44.7203

# Details

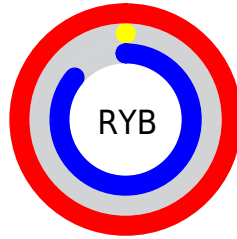
The Yxy color **26.4273, 0.3598, 0.1755** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6412, 0.2975, 0.5910**, and the grayscale version is **12.9332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.0178, 0.3631, 0.1774** is the 20% darker color. If you saturate the color by 10%, you get **26.4289, 0.3597, 0.1755**, and if you desaturate by 10%, it is **27.3330, 0.3550, 0.1765**.

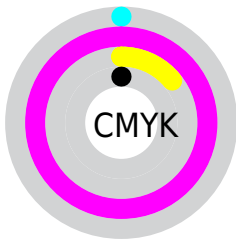
# Distribution



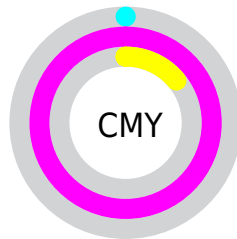
- Red (100%)
- Green (0%)
- Blue (86%)



- Red (100%)
- Yellow (0%)
- Blue (86%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.4273, 0.3598, 0.1755 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 26.4273, 0.3598, 0.1755 by changing the saturation by 10% instead.





 26.4273, 0.3598,  
0.1755

 26.4273, 0.3598,  
0.1755


284.8734, 0.3396,  
0.2462


 17.1436, 0.3638,  
0.1600


 53.9635, 0.3533,  
0.1996

 10.3369, 0.3682,  
0.1414


 72.9847, 0.3506,  
0.2092

 5.6229, 0.3731,  
0.1189


 96.0206, 0.3482,  
0.2174

 2.6172, 0.3781,  
0.0916

 123.4556, 0.3461,  
0.2246

 0.9353, 0.3818,  
0.0595

 155.6739, 0.3442,  
0.2310

 0.0000, 0.3906,  
0.0000

193.0601, 0.3425,

 0.0000, 0.3648,

0.2366

0.0000

235.9984, 0.3410,  
0.2417

■ 0.0000, 0.0371,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 26.4273, 0.3598,  
0.1755

■ 26.4273, 0.3598,  
0.1755

■ 26.4289, 0.3597,  
0.1755

■ 27.3330, 0.3550,  
0.1765

■ 29.1750, 0.3500,  
0.1814

■ 32.2405, 0.3448,  
0.1909

■ 36.7043, 0.3394,  
0.2047

42.7128, 0.3341,  
0.2221

50.3940, 0.3290,  
0.2420

59.8627, 0.3242,  
0.2635

71.2234, 0.3199,  
0.2856

84.5725, 0.3161,  
0.3077

# Harmonies

## Analogous

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



26.4273, 0.2078, 0.1317



26.4273, 0.3598, 0.1755



26.4273, 0.5379, 0.2450

# Triad

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



26.4273, 0.3598, 0.1755



26.4273, 0.4671, 0.5329



26.4273, 0.0791, 0.2099

# Complementary

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



26.4273, 0.3598, 0.1755



71.6412, 0.2975, 0.5910

# 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.



26.4273, 0.1132, 0.3821



26.4273, 0.3598, 0.1755



26.4273, 0.3315, 0.6419

# Square

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



26.4273, 0.3598, 0.1755



26.4273, 0.5789, 0.4134



26.4273, 0.2052, 0.6084



26.4273, 0.0840, 0.1380



# Rectangle

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



26.4273, 0.3598, 0.1755



26.4273, 0.6097, 0.2965



26.4273, 0.2052, 0.6084



26.4273, 0.0851, 0.2537

# Sweetspot

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



26.4289, 0.3597, 0.1755



59.8627, 0.3242, 0.2635



7.5601, 0.1542, 0.0623



11.9105, 0.3262, 0.2543



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.



26.4289, 0.3597, 0.1755



22.0592, 0.5561, 0.2837



18.2550, 0.3159, 0.3087



13.8262, 0.3590, 0.1751



1.3575, 0.3540, 0.1724

# Inverse Universe

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



26.4289, 0.3597, 0.1755



74.1109, 0.2601, 0.4564



18.2550, 0.3159, 0.3087



13.8262, 0.3590, 0.1751



1.3575, 0.3540, 0.1724

# Previews

## White Background



This preview shows how the Yxy color 26.4273, 0.3598, 0.1755 looks on a white background.

## Color Contrast Check

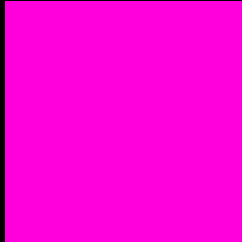
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4273, 0.3598, 0.1755 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 × Fail

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

**Yxy 26.4273, 0.3598, 0.1755**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.4273, 0.3598, 0.1755.



This preview shows how white text looks on a background with the Yxy color 26.4273, 0.3598, 0.1755.



# 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

26.4273, 0.3598, 0.1755

### Protanopia

27.2360, 0.1966, 0.1744

### Deuteranopia

27.1508, 0.2369, 0.2319



## Tritanopia

26.6438, 0.5160, 0.3250

# Trichromacy



## Original Color

26.4273, 0.3598, 0.1755



## Protanomaly

19.5012, 0.2290, 0.1424



## Deuteranomaly

20.1225, 0.2705, 0.1748



## Tritanomaly

24.3706, 0.4645, 0.2551

# Monochromacy



## Original Color

26.4273, 0.3598, 0.1755



## Achromatopsia

13.0136, 0.3127, 0.3290



## Achromatomaly

12.8485, 0.3384, 0.2093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.4273, 0.3598, 0.1755 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, 0, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 220)  
}
```

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, 0, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 26.4273, 0.3598, 0.1755 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, 0, 220) }
```

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

```
.border{ border-color:rgb(255, 0, 220) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
220) }
```

# Background

The CSS property to change the background color of an element to Yxy 26.4273, 0.3598, 0.1755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 220) }
```

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

```
.background{ background-color: rgb(255, 0,  
220) }
```

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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