

# Converting Colors

Yxy(26.3121, 0.3625, 0.1770)

Have a look what the booklet for  
Yxy(26.3121, 0.3625, 0.1770)  
contains.

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**Color**

**Yxy(26.3220, 0.3622, 0.1769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00DA
RGB	255, 0, 218
RGB Percent	100%, 0%, 85%
CMY	0.0000, 0.9996, 0.1450
CMYK	0.00, 1.00, 0.15, 0.00
HSL	309°, 100%, 50%
HSV	309°, 100%, 100%
XYZ	53.8939, 26.3220, 68.5800
YIQ	101.0970, 82.0020, 121.8580

# Conversions

## Conversions Part 2

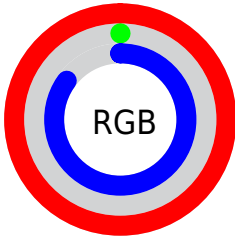
Format	Color
R <sub>Y</sub> B	255, 0, 218
Decimal	16711898
CIE Lab	58.34, 93.41, -43.26
CIE LCh	58, 102.940, 335.148
Yxy	26.3220, 0.3622, 0.1769
Android (android.graphics.Color)	4294901978 (0xFFFF00DA)
YUV	101.0970, 57.6332, 134.9729
Hunter-Lab	51.3050, 97.7236, -43.3403

# Details

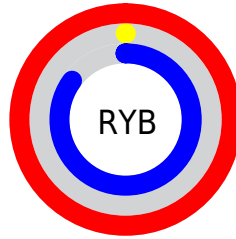
The Yxy color **26.3220, 0.3622, 0.1769** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6492, 0.2972, 0.5901**, and the grayscale version is **12.8889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **13.9461, 0.3664, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **26.3204, 0.3622, 0.1769**, and if you desaturate by 10%, it is **27.2382, 0.3572, 0.1777**.

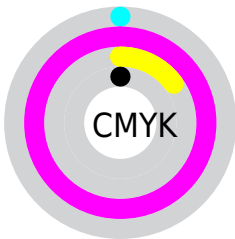
# Distribution



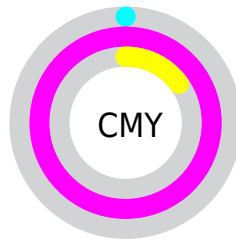
- Red (100%)
- Green (0%)
- Blue (85%)



- Red (100%)
- Yellow (0%)
- Blue (85%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3220, 0.3622, 0.1769 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 26.3220, 0.3622, 0.1769 by changing the saturation by 10% instead.





 26.3220, 0.3622,  
0.1769

 26.3220, 0.3622,  
0.1769

284.3592, 0.3407,  
0.2472


 17.0647, 0.3665,  
0.1614


 53.7940, 0.3551,  
0.2009


 10.2806, 0.3715,  
0.1428


 72.7774, 0.3523,  
0.2104

 5.5854, 0.3771,  
0.1202


 95.7716, 0.3497,  
0.2186

 2.5947, 0.3830,  
0.0929

 123.1611, 0.3475,  
0.2258

 0.9240, 0.3881,  
0.0605

 155.3302, 0.3455,  
0.2321

 0.0000, 0.3993,  
0.0000

192.6633, 0.3437,

 0.0000, 0.3760,

0.2377

0.0000

235.5449, 0.3421,  
0.2427

■ 0.0000, 0.0030,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 26.3220, 0.3622,  
0.1769

■ 26.3220, 0.3622,  
0.1769

■ 26.3204, 0.3622,  
0.1769

■ 27.2382, 0.3572,  
0.1777

■ 29.0936, 0.3519,  
0.1826

■ 32.1737, 0.3463,  
0.1920

■ 36.6529, 0.3406,  
0.2057

42.6778, 0.3350,  
0.2230

50.3763, 0.3297,  
0.2428

59.8629, 0.3247,  
0.2641

71.2423, 0.3202,  
0.2861

84.6108, 0.3162,  
0.3079

# Harmonies

## Analogous

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



26.3220, 0.2099, 0.1328



26.3220, 0.3622, 0.1769



26.3220, 0.5389, 0.2466

# Triad

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



26.3220, 0.3622, 0.1769



26.3220, 0.4654, 0.5346



26.3220, 0.0796, 0.2089

# Complementary

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



26.3220, 0.3622, 0.1769



71.6492, 0.2972, 0.5901

# 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.



26.3220, 0.1132, 0.3787



26.3220, 0.3622, 0.1769



26.3220, 0.3302, 0.6416

# Square

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



26.3220, 0.3622, 0.1769



26.3220, 0.5769, 0.4151



26.3220, 0.2043, 0.6044



26.3220, 0.0850, 0.1381



# Rectangle

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



26.3220, 0.3622, 0.1769



26.3220, 0.6092, 0.2980



26.3220, 0.2043, 0.6044



26.3220, 0.0855, 0.2521

# Sweetspot

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



26.3233, 0.3622, 0.1769



59.8259, 0.3247, 0.2640



7.5632, 0.1542, 0.0623



11.9015, 0.3268, 0.2549



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.



26.3233, 0.3622, 0.1769



26.3224, 0.3622, 0.1769



22.0609, 0.5560, 0.2837



18.2524, 0.3160, 0.3089



13.7713, 0.3614, 0.1765



1.3527, 0.3561, 0.1735



# Inverse Universe

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



26.3233, 0.3622, 0.1769



26.3224, 0.3622, 0.1769



74.1072, 0.2601, 0.4564



18.2524, 0.3160, 0.3089



13.7713, 0.3614, 0.1765



1.3527, 0.3561, 0.1735



# Previews

## White Background



This preview shows how the Yxy color 26.3220, 0.3622, 0.1769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

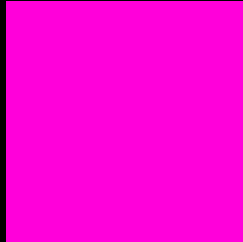
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.3220, 0.3622, 0.1769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

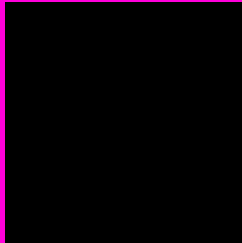
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.3220, 0.3622, 0.1769**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3220, 0.3622, 0.1769.



This preview shows how white text looks on a background with the Yxy color 26.3220, 0.3622, 0.1769.

# 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

26.3220, 0.3622, 0.1769

### Protanopia

27.2360, 0.1966, 0.1744

### Deuteranopia

26.8769, 0.2380, 0.2318



## Tritanopia

26.6440, 0.5188, 0.3251

# Trichromacy



## Original Color

26.3220, 0.3622, 0.1769



## Protanomaly

19.5012, 0.2290, 0.1424



## Deuteranomaly

20.0134, 0.2723, 0.1750



## Tritanomaly

24.4950, 0.4687, 0.2575

# Monochromacy



## Original Color

26.3220, 0.3622, 0.1769



## 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 26.3220, 0.3622, 0.1769 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3220, 0.3622, 0.1769 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, 218) }
```

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

```
.border{ border-color:rgb(255, 0, 218) }
```

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, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3220, 0.3622, 0.1769 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, 218) }
```

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

```
.background{ background-color: rgb(255, 0,  
218) }
```

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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