

# Converting Colors

$Y_{xy}(26.2321, 0.3644, 0.1781)$

Have a look what the booklet for  
Yxy(26.2321, 0.3644, 0.1781)  
contains.

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# Color

**Yxy(26.2179, 0.3647, 0.1783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00D8
RGB	255, 0, 216
RGB Percent	100%, 0%, 85%
CMY	0.0001, 0.9988, 0.1529
CMYK	0.00, 1.00, 0.15, 0.00
HSL	309°, 100%, 50%
HSV	309°, 100%, 100%
XYZ	53.6269, 26.2179, 67.1990
YIQ	100.8690, 82.6440, 121.2360

# Conversions

## Conversions Part 2

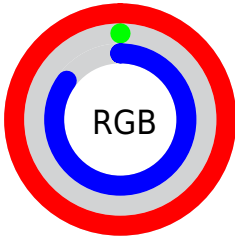
Format	Color
<b>R<sub>YB</sub></b>	255, 0, 216
Decimal	16711896
CIE <sub>Lab</sub>	58.24, 93.15, -42.27
CIE <sub>LCh</sub>	58, 102.290, 335.589
Yxy	26.2179, 0.3647, 0.1783
Android (android.graphics.Color)	4294901976 (0xFFFF00D8)
YUV	100.8690, 56.7596, 135.1729
Hunter-Lab	51.2034, 97.3423, -41.9694

# Details

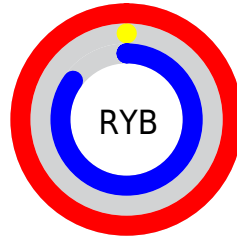
The Yxy color **26.2179, 0.3647, 0.1783** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6529, 0.2970, 0.5890**, and the grayscale version is **12.8597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.9107, 0.3680, 0.1801** is the 20% darker color. If you saturate the color by 10%, you get **26.2102, 0.3648, 0.1783**, and if you desaturate by 10%, it is **27.1469, 0.3594, 0.1790**.

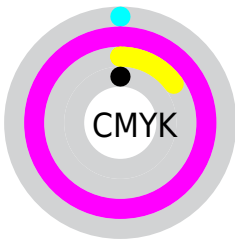
# Distribution



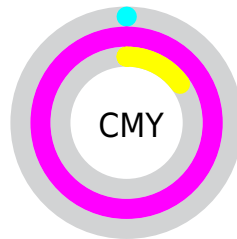
- Red (100%)
- Green (0%)
- Blue (85%)



- 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 26.2179, 0.3647, 0.1783 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 26.2179, 0.3647, 0.1783 by changing the saturation by 10% instead.




 26.2179, 0.3647,  
0.1783


 26.2179, 0.3647,  
0.1783


283.8501, 0.3417,  
0.2481


 16.9867, 0.3694,  
0.1629


 53.6263, 0.3571,  
0.2022


 10.2250, 0.3749,  
0.1442


 72.5722, 0.3540,  
0.2117


 5.5484, 0.3812,  
0.1216


 95.5253, 0.3513,  
0.2198

 2.5725, 0.3881,  
0.0941

 122.8698, 0.3489,  
0.2269

 0.9129, 0.3947,  
0.0614

 154.9901, 0.3468,  
0.2332

 0.0000, 0.4085,  
0.0000

192.2707, 0.3449,


 0.0000, 0.3880,


0.2387


0.0000


235.0959, 0.3432,  
0.2437


 0.0000, 0.0000,  
0.0000


 26.2179, 0.3647,  
0.1783


 26.2179, 0.3647,  
0.1783

 26.2102, 0.3648,  
0.1783

 27.1469, 0.3594,  
0.1790

 29.0198, 0.3537,  
0.1838

 32.1191, 0.3478,  
0.1932

 36.6192, 0.3418,  
0.2068

 42.6662, 0.3359,  
0.2240

■ 50.3880, 0.3303,  
0.2437

■ 59.8990, 0.3251,  
0.2649

■ 71.3036, 0.3205,  
0.2867

■ 84.6983, 0.3163,  
0.3083

# Harmonies

## Analogous

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



26.2179, 0.2121, 0.1338



26.2179, 0.3647, 0.1783



26.2179, 0.5400, 0.2481

# Triad

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



26.2179, 0.3647, 0.1783



26.2179, 0.4636, 0.5364



26.2179, 0.0801, 0.2079

# Complementary

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



26.2179, 0.3647, 0.1783



71.6529, 0.2970, 0.5890

# 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.



26.2179, 0.1131, 0.3753



26.2179, 0.3647, 0.1783



26.2179, 0.3287, 0.6413

# Square

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



26.2179, 0.3647, 0.1783



26.2179, 0.5750, 0.4169



26.2179, 0.2033, 0.6003



26.2179, 0.0859, 0.1382



# Rectangle

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



26.2179, 0.3647, 0.1783



26.2179, 0.6088, 0.2996



26.2179, 0.2033, 0.6003



26.2179, 0.0858, 0.2505

# Sweetspot

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



26.2192, 0.3647, 0.1783



59.7889, 0.3252, 0.2646



7.6466, 0.1552, 0.0629



11.8926, 0.3273, 0.2555



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.



26.2192, 0.3647, 0.1783



26.2166, 0.3648, 0.1783



21.9901, 0.5623, 0.2872



18.2498, 0.3162, 0.3091



13.7168, 0.3639, 0.1778



1.3479, 0.3582, 0.1747



# Inverse Universe

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



26.2192, 0.3647, 0.1783



26.2166, 0.3648, 0.1783



74.2518, 0.2584, 0.4501



18.2498, 0.3162, 0.3091



13.7168, 0.3639, 0.1778



1.3479, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 26.2179, 0.3647, 0.1783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

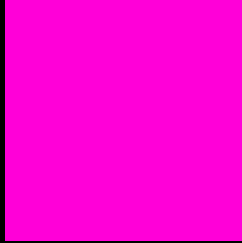
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 26.2179, 0.3647, 0.1783 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 26.2179, 0.3647, 0.1783**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.2179, 0.3647, 0.1783.



This preview shows how white text looks on a background with the Yxy color 26.2179, 0.3647, 0.1783.

# 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

26.2179, 0.3647, 0.1783

### Protanopia

27.1908, 0.1962, 0.1742

### Deuteranopia

26.8499, 0.2400, 0.2343



## Tritanopia

26.4683, 0.5208, 0.3251

# Trichromacy



## Original Color

26.2179, 0.3647, 0.1783



## Protanomaly

19.3501, 0.2287, 0.1426



## Deuteranomaly

19.9143, 0.2741, 0.1767



## Tritanomaly

24.3724, 0.4706, 0.2579

# Monochromacy



## Original Color

26.2179, 0.3647, 0.1783



## Achromatopsia

13.0136, 0.3127, 0.3290



## Achromatomaly

12.8181, 0.3399, 0.2105

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2179, 0.3647, 0.1783 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2179, 0.3647, 0.1783 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, 216) }
```

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

```
.border{ border-color:rgb(255, 0, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2179, 0.3647, 0.1783 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, 216) }
```

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

```
.background{ background-color: rgb(255, 0,  
216) }
```

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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