

# Converting Colors

$Y_{xy}(26.4591, 0.3421, 0.1981)$

Have a look what the booklet for  
Yxy(26.4591, 0.3421, 0.1981)  
contains.

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**Color**

**Yxy(26.4279, 0.3416, 0.1974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E34FCF
RGB	227, 79, 207
RGB Percent	89%, 31%, 81%
CMY	0.1099, 0.6901, 0.1883
CMYK	0.00, 0.65, 0.09, 0.11
HSL	308°, 73%, 60%
HSV	308°, 65%, 89%
XYZ	45.7334, 26.4279, 61.7187
YIQ	137.8440, 47.1200, 71.1840

# Conversions

## Conversions Part 2

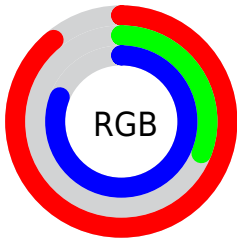
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 79, 207
Decimal	14897103
CIE Lab	58.44, 70.94, -37.17
CIE LCh	58, 80.087, 332.344
Yxy	26.4279, 0.3416, 0.1974
Android (android.graphics.Color)	4293087183 (0xFFE34FCF)
YUV	137.8440, 34.0939, 78.1898
Hunter-Lab	51.4081, 68.8321, -35.1958

# Details

The Yxy color **26.4279, 0.3416, 0.1974** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **57.4960, 0.2952, 0.5151**, and the grayscale version is **25.2112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6570, 0.3180, 0.2170**, and **10.5918, 0.3462, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **23.5451, 0.3468, 0.1856**, and if you desaturate by 10%, it is **30.4336, 0.3363, 0.2131**.

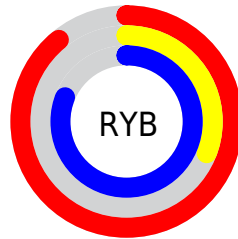
# Distribution



Red (89%)

Green (31%)

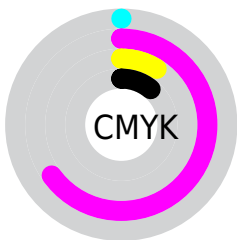
Blue (81%)



Red (89%)

Yellow (31%)

Blue (81%)

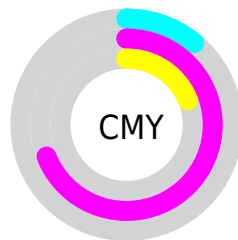


Cyan (0%)

Magenta (65%)

Yellow (9%)

Black (11%)



Cyan (11%)

Magenta (69%)


Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.4279, 0.3416, 0.1974 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 26.4279, 0.3416, 0.1974 by changing the saturation by 10% instead.




 26.4279, 0.3416,  
0.1974


 26.4279, 0.3416,  
0.1974


284.8763, 0.3294,  
0.2603


 17.1440, 0.3439,  
0.1829


 53.9645, 0.3377,  
0.2195

 10.3372, 0.3463,  
0.1650


 72.9859, 0.3361,  
0.2280

 5.6231, 0.3488,  
0.1426


 96.0221, 0.3347,  
0.2353

 2.6173, 0.3507,  
0.1143

 123.4572, 0.3334,  
0.2417

 0.9354, 0.3503,  
0.0787

155.6759, 0.3322,  
0.2472

 0.0000, 0.3556,  
0.0000

193.0623, 0.3312,


 0.0000, 0.2959,


0.2521


0.0000


236.0010, 0.3303,  
0.2565


 0.0000, 0.0000,  
0.0000

 26.4279, 0.3416,  
0.1974


 26.4279, 0.3416,  
0.1974


 23.5451, 0.3468,  
0.1856


 30.4336, 0.3363,  
0.2131


 21.6622, 0.3519,  
0.1783

 35.6609, 0.3312,  
0.2318


 20.6343, 0.3566,  
0.1754

 42.2020, 0.3264,  
0.2525


 20.3289, 0.3588,  
0.1750


 50.1391, 0.3219,  
0.2744

 59.5479, 0.3179,  
0.2964

 70.4984, 0.3144,  
0.3181

 83.0563, 0.3113,  
0.3389

 93.6485, 0.3088,  
0.3529

 93.8239, 0.3071,  
0.3498

# Harmonies

## Analogous

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



26.4279, 0.2211, 0.1597



26.4279, 0.3416, 0.1974



26.4279, 0.4801, 0.2590

# Triad

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



26.4279, 0.3416, 0.1974



26.4279, 0.4655, 0.5051



26.4279, 0.1153, 0.2469

# Complementary

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



26.4279, 0.3416, 0.1974



57.4960, 0.2952, 0.5151

# 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.



26.4279, 0.1560, 0.3882



26.4279, 0.3416, 0.1974



26.4279, 0.3567, 0.5769

# Square

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



26.4279, 0.3416, 0.1974



26.4279, 0.5461, 0.4136



26.4279, 0.2442, 0.5436



26.4279, 0.1146, 0.1744



# Rectangle

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



26.4279, 0.3416, 0.1974



26.4279, 0.5444, 0.3072



26.4279, 0.2442, 0.5436



26.4279, 0.1238, 0.2862

# Sweetspot

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



26.4292, 0.3416, 0.1974



71.2298, 0.3199, 0.2855



13.7796, 0.1985, 0.1256



14.5207, 0.3210, 0.2793



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.



26.4292, 0.3416, 0.1974



29.7064, 0.3485, 0.1827



23.6256, 0.4443, 0.2711



14.5800, 0.3158, 0.3089



11.8701, 0.3582, 0.1747



0.8865, 0.3519, 0.1712



# Inverse Universe

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



26.4292, 0.3416, 0.1974



29.7064, 0.3485, 0.1827



59.6016, 0.2605, 0.4063



14.5800, 0.3158, 0.3089



11.8701, 0.3582, 0.1747



0.8865, 0.3519, 0.1712



# Previews

## White Background



This preview shows how the Yxy color 26.4279, 0.3416, 0.1974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

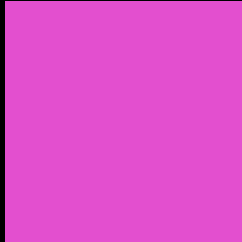
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.4279, 0.3416, 0.1974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

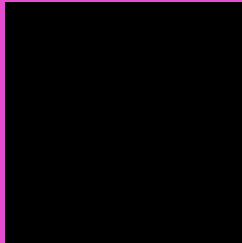
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.4279, 0.3416, 0.1974**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.4279, 0.3416, 0.1974.



This preview shows how white text looks on a background with the Yxy color 26.4279, 0.3416, 0.1974.

# 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

26.4279, 0.3416, 0.1974

### Protanopia

26.9503, 0.1963, 0.1731

### Deuteranopia

26.6074, 0.2460, 0.2396



## Tritanopia

26.2747, 0.4481, 0.3199

# Trichromacy



## Original Color

26.4279, 0.3416, 0.1974



## Protanomaly

23.8147, 0.2273, 0.1710



## Deuteranomaly

24.4132, 0.2751, 0.2139



## Tritanomaly

25.8760, 0.4092, 0.2691

# Monochromacy



## Original Color

26.4279, 0.3416, 0.1974



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

23.9130, 0.3241, 0.2623

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.4279, 0.3416, 0.1974 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(227, 79, 207)` looks like.

```
.text, #text, p{  
    color:rgb(227, 79, 207)  
}
```

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(227, 79, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 79, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 26.4279, 0.3416, 0.1974 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(227, 79, 207) }
```

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

```
.border{ border-color:rgb(227, 79, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 79, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 79, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 79, 207);  
box-shadow:4px 4px 4px 4px rgb(227, 79,  
207) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 26.4279, 0.3416, 0.1974$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 79, 207) }
```

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

```
.background{ background-color: rgb(227, 79,  
207) }
```

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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