

Converting Colors

$Y_{xy}(26.4642, 0.3589, 0.1751)$

Have a look what the booklet for
Yxy(26.4642, 0.3589, 0.1751)
contains.

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Color

Yxy(26.4805, 0.3585, 0.1749)

Conversions

Conversions Part 1

Format	Color
Hex	FF00DD
RGB	255, 0, 221
RGB Percent	100%, 0%, 87%
CMY	0.0002, 0.9982, 0.1334
CMYK	0.00, 1.00, 0.13, 0.00
HSL	308°, 100%, 50%
HSV	308°, 100%, 100%
XYZ	54.2782, 26.4805, 70.6449
YIQ	101.4390, 81.0390, 122.7910

Conversions

Conversions Part 2

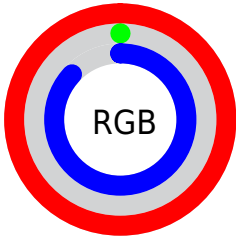
Format	Color
RYB	255, 0, 221
Decimal	16711901
CIELab	58.49, 93.75, -44.71
CIELCh	58, 103.863, 334.502
Yxy	26.4805, 0.3585, 0.1749
Android (android.graphics.Color)	4294901981 (0xFFFF00DD)
YUV	101.4390, 58.9436, 134.6730
Hunter-Lab	51.4592, 98.2249, -45.3739

Details

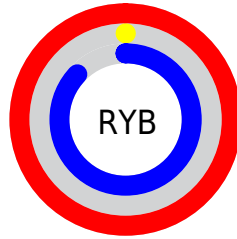
The Yxy color **26.4805, 0.3585, 0.1749** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.6156, 0.2976, 0.5912**, and the grayscale version is **13.0308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **14.0541, 0.3615, 0.1765** is the 20% darker color. If you saturate the color by 10%, you get **26.4688, 0.3586, 0.1749**, and if you desaturate by 10%, it is **27.3918, 0.3540, 0.1760**.

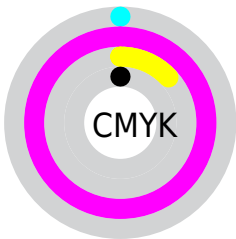
Distribution



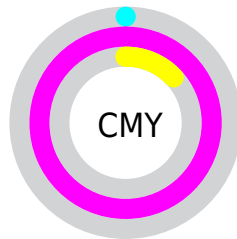
- Red (100%)
- Green (0%)
- Blue (87%)



- Red (100%)
- Yellow (0%)
- Blue (87%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4805, 0.3585, 0.1749 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 26.4805, 0.3585, 0.1749 by changing the saturation by 10% instead.


 26.4805, 0.3585,
0.1749


 26.4805, 0.3585,
0.1749

285.1329, 0.3391,
0.2458


 17.1834, 0.3623,
0.1594


 54.0491, 0.3522,
0.1991

 10.3654, 0.3665,
0.1408


 73.0894, 0.3497,
0.2086

 5.6419, 0.3710,
0.1183


 96.1463, 0.3474,
0.2169

 2.6286, 0.3755,
0.0911

 123.6042, 0.3453,
0.2241

 0.9410, 0.3785,
0.0592

 155.8474, 0.3435,
0.2305

 0.0000, 0.3861,
0.0000

193.2603, 0.3419,

 0.0000, 0.3590,

0.2362

0.0000

236.2273, 0.3404,
0.2412

■ 0.0000, 0.0452,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 26.4805, 0.3585,
0.1749

■ 26.4805, 0.3585,
0.1749

■ 26.4688, 0.3586,
0.1749

■ 27.3918, 0.3540,
0.1760

■ 29.2489, 0.3491,
0.1810

■ 32.3324, 0.3440,
0.1907

■ 36.8162, 0.3387,
0.2046

42.8463, 0.3335,
0.2220

50.5506, 0.3286,
0.2420

60.0433, 0.3239,
0.2636

71.4289, 0.3197,
0.2859

84.8037, 0.3160,
0.3080

Harmonies

Analogous

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



26.4805, 0.2068, 0.1313



26.4805, 0.3585, 0.1749



26.4805, 0.5371, 0.2443

Triad

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



26.4805, 0.3585, 0.1749



26.4805, 0.4681, 0.5319



26.4805, 0.0789, 0.2105

Complementary

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



26.4805, 0.3585, 0.1749



71.6156, 0.2976, 0.5912

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.



26.4805, 0.1135, 0.3838



26.4805, 0.3585, 0.1749



26.4805, 0.3323, 0.6417

Square

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



26.4805, 0.3585, 0.1749



26.4805, 0.5798, 0.4125



26.4805, 0.2058, 0.6101



26.4805, 0.0837, 0.1381

Rectangle

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



26.4805, 0.3585, 0.1749



26.4805, 0.6097, 0.2958



26.4805, 0.2058, 0.6101



26.4805, 0.0850, 0.2547

Sweetspot

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



26.4818, 0.3585, 0.1749



59.8797, 0.3240, 0.2632



7.5740, 0.1543, 0.0624



11.9146, 0.3259, 0.2540



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.



26.4818, 0.3585, 0.1749



26.4782, 0.3586, 0.1749



22.0663, 0.5556, 0.2835



18.2562, 0.3159, 0.3087



13.8516, 0.3579, 0.1745



1.3598, 0.3530, 0.1718

Inverse Universe

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



26.4818, 0.3585, 0.1749



26.4782, 0.3586, 0.1749



74.0935, 0.2601, 0.4562



18.2562, 0.3159, 0.3087



13.8516, 0.3579, 0.1745



1.3598, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 26.4805, 0.3585, 0.1749 looks on a white background.

Color Contrast Check

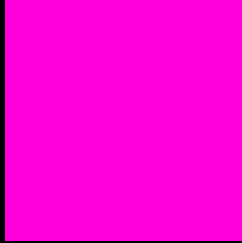
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4805, 0.3585, 0.1749 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 26.4805, 0.3585, 0.1749

Background



This preview shows how black text looks on a background with the Yxy color 26.4805, 0.3585, 0.1749.



This preview shows how white text looks on a background with the Yxy color 26.4805, 0.3585, 0.1749.

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

26.4805, 0.3585, 0.1749

Protanopia

27.2360, 0.1966, 0.1744

Deuteranopia

27.1322, 0.2356, 0.2306



Tritanopia

26.6438, 0.5160, 0.3250

Trichromacy



Original Color

26.4805, 0.3585, 0.1749



Protanomaly

19.5615, 0.2284, 0.1418



Deuteranomaly

20.0651, 0.2686, 0.1735



Tritanomaly

24.4666, 0.4643, 0.2556

Monochromacy



Original Color

26.4805, 0.3585, 0.1749



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

13.0940, 0.3382, 0.2098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4805, 0.3585, 0.1749 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 221) }
```

Border

The CSS property to change the border of an element to Yxy 26.4805, 0.3585, 0.1749 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, 221) }
```

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

```
.border{ border-color:rgb(255, 0, 221) }
```

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, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4805, 0.3585, 0.1749 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, 221) }
```

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

```
.background{ background-color: rgb(255, 0,  
221) }
```

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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