

Converting Colors

$Y_{xy}(26.7940, 0.3786, 0.1922)$

Have a look what the booklet for
Yxy(26.7940, 0.3786, 0.1922)
contains.

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Color

Yxy(26.8118, 0.3779, 0.1918)

Conversions

Conversions Part 1

Format	Color
Hex	FF22CD
RGB	255, 34, 205
RGB Percent	100%, 13%, 80%
CMY	0.0001, 0.8664, 0.1961
CMYK	0.00, 0.87, 0.20, 0.00
HSL	314°, 100%, 57%
HSV	314°, 87%, 100%
XYZ	52.8268, 26.8118, 60.1518
YIQ	119.5730, 76.8250, 100.0330

Conversions

Conversions Part 2

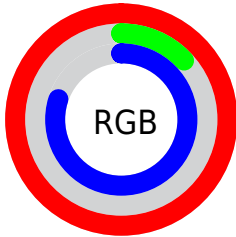
Format	Color
R _Y B	255, 34, 205
Decimal	16720589
CIE Lab	58.80, 88.68, -35.14
CIE LCh	59, 95.391, 338.383
Yxy	26.8118, 0.3779, 0.1918
Android (android.graphics.Color)	4294910669 (0xFFFF22CD)
YUV	119.5730, 42.1155, 118.7695
Hunter-Lab	51.7801, 91.4930, -32.6298

Details

The Yxy color **26.8118, 0.3779, 0.1918** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.4908, 0.2904, 0.5538**, and the grayscale version is **18.4981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0683, 0.3189, 0.1964**, and **13.5395, 0.3870, 0.1905** is the 20% darker color. If you saturate the color by 10%, you get **25.5774, 0.3866, 0.1914**, and if you desaturate by 10%, it is **29.1360, 0.3688, 0.1970**.

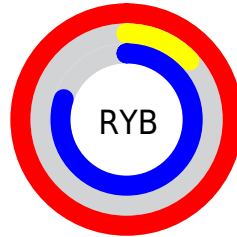
Distribution



Red (100%)

Green (13%)

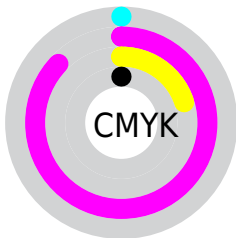
Blue (80%)



Red (100%)

Yellow (13%)

Blue (80%)

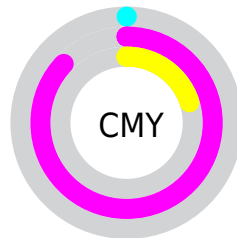


Cyan (0%)

Magenta (87%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8118, 0.3779, 0.1918 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 26.8118, 0.3779, 0.1918 by changing the saturation by 10% instead.


 26.8118, 0.3779,
0.1918


 26.8118, 0.3779,
0.1918


286.7447, 0.3471,
0.2566


 17.4319, 0.3849,
0.1771


 54.5817, 0.3672,
0.2143


 10.5429, 0.3935,
0.1591

 73.7406, 0.3630,
0.2231

 5.7604, 0.4042,
0.1369


 96.9278, 0.3594,
0.2306

 2.6999, 0.4176,
0.1090

 124.5280, 0.3563,
0.2372

 0.9772, 0.4342,
0.0746

 156.9253, 0.3536,
0.2429

 0.0000, 0.4701,
0.0000

194.5043, 0.3511,

 0.0000, 0.4718,

0.2480

0.0000

237.6493, 0.3490,
0.2525

■ 0.0000, 0.0000,
0.0000

■ 26.8118, 0.3779,
0.1918

■ 26.8118, 0.3779,
0.1918

■ 25.5774, 0.3866,
0.1914

■ 29.1360, 0.3688,
0.1970


■ 25.3013, 0.3895,
0.1919

■ 32.7515, 0.3596,
0.2068


■ 37.8233, 0.3507,
0.2207

■ 44.4911, 0.3422,
0.2376

■ 52.8779, 0.3344,
0.2566

 63.0948, 0.3273,
0.2765

 75.2435, 0.3212,
0.2967

 89.4182, 0.3158,
0.3164

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



26.8118, 0.2295, 0.1456



26.8118, 0.3779, 0.1918



26.8118, 0.5366, 0.2613

Triad

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



26.8118, 0.3779, 0.1918



26.8118, 0.4499, 0.5403



26.8118, 0.0895, 0.2077

Complementary

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



26.8118, 0.3779, 0.1918



72.4908, 0.2904, 0.5538

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.



26.8118, 0.1194, 0.3550



26.8118, 0.3779, 0.1918



26.8118, 0.3236, 0.6259

Square

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



26.8118, 0.3779, 0.1918



26.8118, 0.5565, 0.4293



26.8118, 0.2033, 0.5614



26.8118, 0.0974, 0.1448

Rectangle

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



26.8118, 0.3779, 0.1918



26.8118, 0.5947, 0.3126



26.8118, 0.2033, 0.5614



26.8118, 0.0944, 0.2455

Sweetspot

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



26.8132, 0.3779, 0.1918



63.8176, 0.3269, 0.2778



10.1587, 0.1731, 0.0796



12.8472, 0.3292, 0.2708



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.



26.8132, 0.3779, 0.1918



25.3054, 0.3895, 0.1919



23.2620, 0.5452, 0.2886



18.2259, 0.3173, 0.3108



13.2464, 0.3881, 0.1912



1.3062, 0.3789, 0.1861

Inverse Universe

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



26.8132, 0.3779, 0.1918



25.3054, 0.3895, 0.1919



75.6730, 0.2500, 0.4114



18.2259, 0.3173, 0.3108



13.2464, 0.3881, 0.1912



1.3062, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 26.8118, 0.3779, 0.1918 looks on a white background.

Color Contrast Check

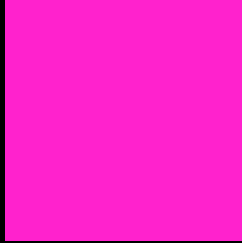
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8118, 0.3779, 0.1918 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 26.8118, 0.3779, 0.1918

Background



This preview shows how black text looks on a background with the Yxy color 26.8118, 0.3779, 0.1918.



This preview shows how white text looks on a background with the Yxy color 26.8118, 0.3779, 0.1918.

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

26.8118, 0.3779, 0.1918

Protanopia

27.2818, 0.1970, 0.1745

Deuteranopia

27.1184, 0.2544, 0.2486



Tritanopia

26.6477, 0.5216, 0.3251

Trichromacy



Original Color

26.8118, 0.3779, 0.1918



Protanomaly

21.3398, 0.2337, 0.1574



Deuteranomaly

22.3372, 0.2927, 0.2031



Tritanomaly

25.7021, 0.4741, 0.2697

Monochromacy



Original Color

26.8118, 0.3779, 0.1918



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.8141, 0.3416, 0.2385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8118, 0.3779, 0.1918 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, 34, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 205)  
}
```

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, 34, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 205) }
```

Border

The CSS property to change the border of an element to Yxy 26.8118, 0.3779, 0.1918 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, 34, 205) }
```

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

```
.border{ border-color:rgb(255, 34, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 34, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8118, 0.3779, 0.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 205) }
```

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

```
.background{ background-color: rgb(255, 34,  
205) }
```

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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