

Converting Colors

$Y_{xy}(26.6790, 0.3803, 0.1929)$

Have a look what the booklet for
Yxy(26.6790, 0.3803, 0.1929)
contains.

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Color

Yxy(26.6595, 0.3806, 0.1930)

Conversions

Conversions Part 1

Format	Color
Hex	FF21CB
RGB	255, 33, 203
RGB Percent	100%, 13%, 80%
CMY	0.0000, 0.8709, 0.2038
CMYK	0.00, 0.87, 0.20, 0.00
HSL	314°, 100%, 56%
HSV	314°, 87%, 100%
XYZ	52.5731, 26.6595, 58.8995
YIQ	118.7580, 77.7420, 99.9340

Conversions

Conversions Part 2

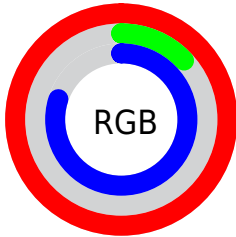
Format	Color
R _Y B	255, 33, 203
Decimal	16720331
CIE Lab	58.66, 88.63, -34.24
CIE LCh	59, 95.018, 338.879
Yxy	26.6595, 0.3806, 0.1930
Android (android.graphics.Color)	4294910411 (0xFFFF21CB)
YUV	118.7580, 41.5313, 119.4842
Hunter-Lab	51.6328, 91.3931, -31.4914

Details

The Yxy color **26.6595, 0.3806, 0.1930** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **72.4958, 0.2901, 0.5531**, and the grayscale version is **18.2000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **13.4756, 0.3906, 0.1925** is the 20% darker color. If you saturate the color by 10%, you get **25.4555, 0.3896, 0.1929**, and if you desaturate by 10%, it is **28.9317, 0.3711, 0.1978**.

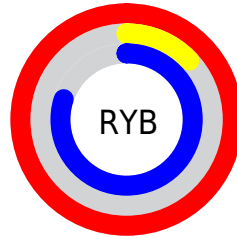
Distribution



Red (100%)

Green (13%)

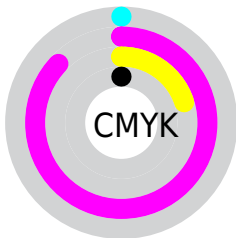
Blue (80%)



Red (100%)

Yellow (13%)

Blue (80%)

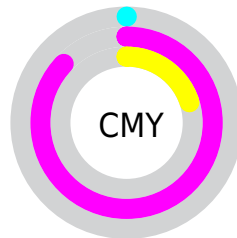


Cyan (0%)

Magenta (87%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (87%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6595, 0.3806, 0.1930 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 26.6595, 0.3806, 0.1930 by changing the saturation by 10% instead.


 26.6595, 0.3806,
0.1930

 26.6595, 0.3806,
0.1930


286.0047, 0.3482,
0.2574


 17.3177, 0.3881,
0.1783


 54.3370, 0.3693,
0.2154


 10.4612, 0.3972,
0.1603


 73.4414, 0.3649,
0.2241

 5.7058, 0.4087,
0.1380


 96.5689, 0.3611,
0.2316

 2.6670, 0.4233,
0.1101

 124.1037, 0.3579,
0.2381

 0.9605, 0.4418,
0.0754

 156.4303, 0.3550,
0.2439

 0.0000, 0.4812,
0.0000

193.9330, 0.3525,

 0.0000, 0.4873,

0.2489

0.0000

236.9964, 0.3502,
0.2534

■ 0.0000, 0.0000,
0.0000

■ 26.6595, 0.3806,
0.1930

■ 26.6595, 0.3806,
0.1930

■ 25.4555, 0.3896,
0.1929

■ 28.9317, 0.3711,
0.1978


■ 25.2155, 0.3922,
0.1934


■ 32.4921, 0.3616,
0.2073


■ 37.5029, 0.3523,
0.2209

■ 44.1046, 0.3434,
0.2376

■ 52.4211, 0.3353,
0.2563

 62.5638, 0.3281,
0.2761

 74.6348, 0.3217,
0.2961

 88.7288, 0.3161,
0.3156

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



26.6595, 0.2316, 0.1463



26.6595, 0.3806, 0.1930



26.6595, 0.5382, 0.2627

Triad

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



26.6595, 0.3806, 0.1930



26.6595, 0.4478, 0.5419



26.6595, 0.0896, 0.2064

Complementary

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



26.6595, 0.3806, 0.1930



72.4958, 0.2901, 0.5531

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.



26.6595, 0.1188, 0.3518



26.6595, 0.3806, 0.1930



26.6595, 0.3217, 0.6259

Square

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



26.6595, 0.3806, 0.1930



26.6595, 0.5548, 0.4310



26.6595, 0.2017, 0.5580



26.6595, 0.0980, 0.1445

Rectangle

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



26.6595, 0.3806, 0.1930



26.6595, 0.5949, 0.3140



26.6595, 0.2017, 0.5580



26.6595, 0.0944, 0.2436

Sweetspot

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



26.6566, 0.3806, 0.1930



63.7872, 0.3273, 0.2783



10.2218, 0.1744, 0.0799



12.8399, 0.3297, 0.2714



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.



26.6566, 0.3806, 0.1930



25.2155, 0.3922, 0.1934



23.1180, 0.5523, 0.2921



18.2234, 0.3174, 0.3110



13.1999, 0.3908, 0.1927



1.3020, 0.3811, 0.1873

Inverse Universe

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



26.6566, 0.3806, 0.1930



25.2155, 0.3922, 0.1934



75.8173, 0.2485, 0.4067



18.2234, 0.3174, 0.3110



13.1999, 0.3908, 0.1927



1.3020, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 26.6595, 0.3806, 0.1930 looks on a white background.

Color Contrast Check

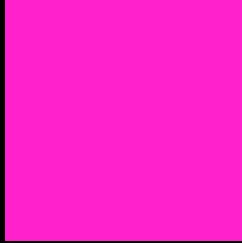
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6595, 0.3806, 0.1930 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 26.6595, 0.3806, 0.1930

Background



This preview shows how black text looks on a background with the Yxy color 26.6595, 0.3806, 0.1930.



This preview shows how white text looks on a background with the Yxy color 26.6595, 0.3806, 0.1930.

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

26.6595, 0.3806, 0.1930

Protanopia

27.2818, 0.1970, 0.1745

Deuteranopia

26.7389, 0.2556, 0.2496



Tritanopia

26.6547, 0.5244, 0.3252

Trichromacy



Original Color

26.6595, 0.3806, 0.1930



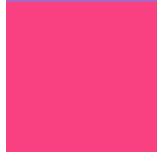
Protanomaly

21.2815, 0.2343, 0.1581



Deuteranomaly

22.0531, 0.2947, 0.2040



Tritanomaly

25.5320, 0.4776, 0.2711

Monochromacy



Original Color

26.6595, 0.3806, 0.1930



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.5063, 0.3418, 0.2380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6595, 0.3806, 0.1930 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, 33, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 203)  
}
```

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, 33, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 203) }
```

Border

The CSS property to change the border of an element to Yxy 26.6595, 0.3806, 0.1930 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, 33, 203) }
```

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

```
.border{ border-color:rgb(255, 33, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6595, 0.3806, 0.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 203) }
```

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

```
.background{ background-color: rgb(255, 33,  
203) }
```

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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