

Converting Colors

$Y_{xy}(18.5594, 0.2719, 0.1272)$

Have a look what the booklet for
Yxy(18.5594, 0.2719, 0.1272)
contains.

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Color

Yxy(18.5983, 0.2719, 0.1272)

Conversions

Conversions Part 1

Format	Color
Hex	C600F5
RGB	198, 0, 245
RGB Percent	78%, 0%, 96%
CMY	0.2238, 0.9982, 0.0393
CMYK	0.19, 1.00, 0.00, 0.04
HSL	288°, 100%, 48%
HSV	288°, 100%, 96%
XYZ	39.7553, 18.5983, 87.8594
YIQ	87.1320, 39.3630, 118.1710

Conversions

Conversions Part 2

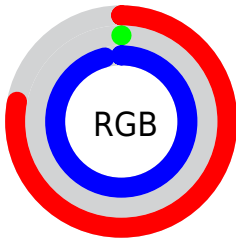
Format	Color
RYB	198, 0, 245
Decimal	12976373
CIELab	50.21, 88.52, -72.04
CIELCh	50, 114.130, 320.864
Yxy	18.5983, 0.2719, 0.1272
Android (android.graphics.Color)	4291166453 (0xFFC600F5)
YUV	87.1320, 77.8289, 97.2312
Hunter-Lab	43.1257, 89.0796, -90.6026

Details

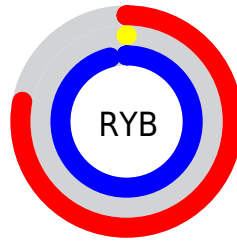
The Yxy color **18.5983, 0.2719, 0.1272** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **65.9060, 0.3057, 0.5954**, and the grayscale version is **9.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4854, 0.3195, 0.1842**, and **8.9911, 0.2554, 0.1180** is the 20% darker color. If you saturate the color by 10%, you get **18.5771, 0.2718, 0.1271**, and if you desaturate by 10%, it is **19.9325, 0.2770, 0.1335**.

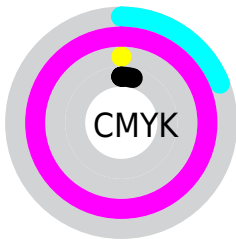
Distribution



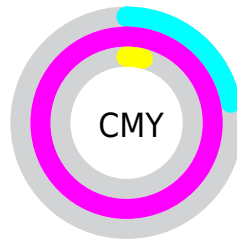
- Red (78%)
- Green (0%)
- Blue (96%)



- Red (78%)
- Yellow (0%)
- Blue (96%)



- Cyan (19%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (22%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5983, 0.2719, 0.1272 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 18.5983, 0.2719, 0.1272 by changing the saturation by 10% instead.


 18.5983, 0.2719,
0.1272


 18.5983, 0.2719,
0.1272


244.2221, 0.2997,
0.2177


 11.3804, 0.2633,
0.1088


 41.0542, 0.2834,
0.1571

 6.3233, 0.2517,
0.0879


 57.0610, 0.2873,
0.1692


 3.0426, 0.2355,
0.0644


 76.7662, 0.2905,
0.1798

 1.1540, 0.2123,
0.0394

 100.5542, 0.2931,
0.1892

 0.0237, 0.1815,
0.0014

 128.8094, 0.2952,
0.1976

 0.0000, 0.1313,
0.0000

 161.9162, 0.2969,


 0.0000, 0.0202,

0.2050


0.0000


200.2589, 0.2984,
0.2117


 0.0000, 0.0000,
0.0000


 18.5983, 0.2719,
0.1272


 18.5983, 0.2719,
0.1272


 18.5771, 0.2718,
0.1271

 19.9325, 0.2770,
0.1335

 22.1441, 0.2821,
0.1439

 25.4908, 0.2873,
0.1589

 30.1301, 0.2923,
0.1781

 36.1946, 0.2970,
0.2008

■ 43.7999, 0.3012,
0.2258

■ 53.0500, 0.3049,
0.2521

■ 64.0396, 0.3080,
0.2786

■ 76.8562, 0.3106,
0.3046

Harmonies

Analogous

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



18.5983, 0.1376, 0.0971



18.5983, 0.2719, 0.1272



18.5983, 0.4891, 0.1896

Triad

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



18.5983, 0.2719, 0.1272



18.5983, 0.5334, 0.4666



18.5983, 0.0591, 0.2533

Complementary

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



18.5983, 0.2719, 0.1272



65.9060, 0.3057, 0.5954

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.



18.5983, 0.1133, 0.5379



18.5983, 0.2719, 0.1272



18.5983, 0.3748, 0.6252

Square

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



18.5983, 0.2719, 0.1272



18.5983, 0.6512, 0.3488



18.5983, 0.2283, 0.7317



18.5983, 0.0530, 0.1335

Rectangle

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



18.5983, 0.2719, 0.1272



18.5983, 0.6188, 0.2410



18.5983, 0.2283, 0.7317



18.5983, 0.0700, 0.3289

Sweetspot

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



18.5990, 0.2719, 0.1272



57.8355, 0.3048, 0.2514



8.8209, 0.1550, 0.0777



11.4185, 0.3033, 0.2403



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.



18.5990, 0.2719, 0.1272



20.3351, 0.2717, 0.1270



22.3817, 0.4164, 0.2068



16.5978, 0.3107, 0.3055



10.0684, 0.2726, 0.1276



0.9253, 0.2790, 0.1311

Inverse Universe

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



19.6269, 0.6126, 0.3149



21.4821, 0.6134, 0.3153



65.7838, 0.2895, 0.5622



16.5346, 0.3263, 0.3245



10.5841, 0.6096, 0.3132



0.9440, 0.5767, 0.2951

Previews

White Background



This preview shows how the Yxy color 18.5983, 0.2719, 0.1272 looks on a white background.

Color Contrast Check

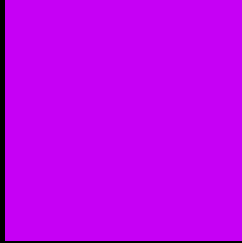
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5983, 0.2719, 0.1272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

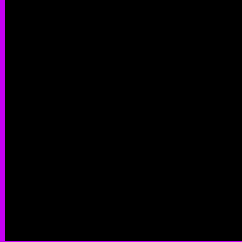
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5983, 0.2719, 0.1272

Background



This preview shows how black text looks on a background with the Yxy color 18.5983, 0.2719, 0.1272.



This preview shows how white text looks on a background with the Yxy color 18.5983, 0.2719, 0.1272.

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

18.5983, 0.2719, 0.1272

Deuteranopia

19.1238, 0.1834, 0.1800

Tritanopia

18.8100, 0.4240, 0.3191

Trichromacy



Original Color

18.5983, 0.2719, 0.1272



Deuteranomaly

12.3725, 0.1823, 0.1171



Tritanomaly

16.0183, 0.3618, 0.2101

Monochromacy



Original Color

18.5983, 0.2719, 0.1272



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3540, 0.2926, 0.1801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5983, 0.2719, 0.1272 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(198, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 245)  
}
```

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(198, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 245) }
```

Border

The CSS property to change the border of an element to Yxy 18.5983, 0.2719, 0.1272 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(198, 0, 245) }
```

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

```
.border{ border-color:rgb(198, 0, 245) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
245) }
```

Background

The CSS property to change the background color of an element to Yxy 18.5983, 0.2719, 0.1272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 245) }
```

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

```
.background{ background-color: rgb(198, 0,  
245) }
```

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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