

Converting Colors

$Y_{xy}(18.5983, 0.2592, 0.1201)$

Have a look what the booklet for
Yxy(18.5983, 0.2592, 0.1201)
contains.

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Color

Yxy(18.5575, 0.2589, 0.1200)

Conversions

Conversions Part 1

Format	Color
Hex	C100FF
RGB	193, 0, 255
RGB Percent	76%, 0%, 100%
CMY	0.2431, 0.9995, 0.0001
CMYK	0.24, 1.00, 0.00, 0.00
HSL	285°, 100%, 50%
HSV	285°, 100%, 100%
XYZ	40.0378, 18.5575, 96.0505
YIQ	86.7770, 33.1730, 120.2210

Conversions

Conversions Part 2

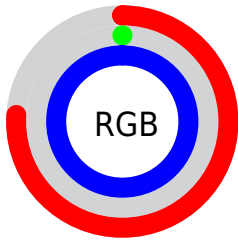
Format	Color
RYB	193, 0, 255
Decimal	12648703
CIELab	50.17, 89.62, -77.73
CIELCh	50, 118.633, 319.061
Yxy	18.5575, 0.2589, 0.1200
Android (android.graphics.Color)	4290838783 (0xFFC100FF)
YUV	86.7770, 82.9339, 93.1576
Hunter-Lab	43.0784, 90.5137, -102.0421

Details

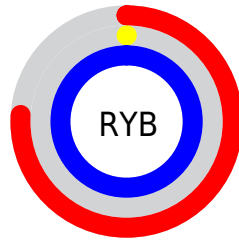
The Yxy color **18.5575, 0.2589, 0.1200** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.5255, 0.3086, 0.5931**, and the grayscale version is **9.3098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4854, 0.3195, 0.1842**, and **8.9368, 0.2388, 0.1089** is the 20% darker color. If you saturate the color by 10%, you get **18.5518, 0.2589, 0.1200**, and if you desaturate by 10%, it is **20.1094, 0.2653, 0.1270**.

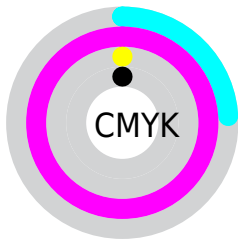
Distribution



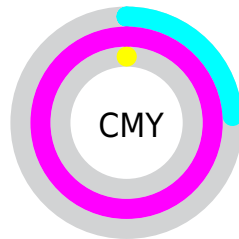
- Red (76%)
- Green (0%)
- Blue (100%)



- Red (76%)
- Yellow (0%)
- Blue (100%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5575, 0.2589, 0.1200 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 18.5575, 0.2589, 0.1200 by changing the saturation by 10% instead.


 18.5575, 0.2589,
0.1200

 18.5575, 0.2589,
0.1200


 243.9949, 0.2934,
0.2122


 11.3510, 0.2489,
0.1018


 40.9850, 0.2727,
0.1500


 6.3034, 0.2356,
0.0812


 56.9748, 0.2776,
0.1623


 3.0304, 0.2176,
0.0586


 76.6612, 0.2815,
0.1732

 1.1477, 0.1929,
0.0351

 100.4284, 0.2848,
0.1828

 0.0183, 0.1607,
0.0010

 128.6611, 0.2875,
0.1914

 0.0000, 0.1127,
0.0000

 161.7434, 0.2898,

 0.0000, 0.0201,

0.1991

0.0000

200.0599, 0.2917,
0.2059

■ 0.0000, 0.0000,
0.0000

■ 18.5575, 0.2589,
0.1200

■ 18.5575, 0.2589,
0.1200

■ 18.5518, 0.2589,
0.1200

■ 20.1094, 0.2653,
0.1270

■ 22.6316, 0.2719,
0.1382

■ 26.4088, 0.2785,
0.1542

■ 31.6159, 0.2850,
0.1744

■ 38.3998, 0.2912,
0.1981

■ 46.8885, 0.2968,
0.2239

■ 57.1972, 0.3018,
0.2509

■ 69.4304, 0.3061,
0.2779

■ 83.6852, 0.3097,
0.3041

Harmonies

Analogous

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



18.5575, 0.1280, 0.0919



18.5575, 0.2589, 0.1200



18.5575, 0.4807, 0.1810

Triad

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



18.5575, 0.2589, 0.1200



18.5575, 0.5442, 0.4558



18.5575, 0.0555, 0.2611

Complementary

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



18.5575, 0.2589, 0.1200



72.5255, 0.3086, 0.5931

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.



18.5575, 0.1118, 0.5682



18.5575, 0.2589, 0.1200



18.5575, 0.3802, 0.6198

Square

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



18.5575, 0.2589, 0.1200



18.5575, 0.6620, 0.3380



18.5575, 0.2288, 0.7465



18.5575, 0.0484, 0.1322

Rectangle

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



18.5575, 0.2589, 0.1200



18.5575, 0.6199, 0.2323



18.5575, 0.2288, 0.7465



18.5575, 0.0668, 0.3436

Sweetspot

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



18.5582, 0.2589, 0.1200



57.1615, 0.3018, 0.2507



10.8664, 0.1572, 0.0860



11.2561, 0.2997, 0.2393



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.



18.5582, 0.2589, 0.1200



18.5573, 0.2589, 0.1200



25.0290, 0.3980, 0.1966



18.0648, 0.3099, 0.3053



9.7696, 0.2599, 0.1205



1.0018, 0.2672, 0.1245

Inverse Universe

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



21.6049, 0.5995, 0.3076



21.6078, 0.5996, 0.3077



71.8674, 0.2927, 0.5735



18.0595, 0.3256, 0.3232



11.3100, 0.5957, 0.3055



1.1176, 0.5644, 0.2883

Previews

White Background



This preview shows how the Yxy color 18.5575, 0.2589, 0.1200 looks on a white background.

Color Contrast Check

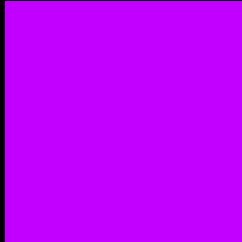
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5575, 0.2589, 0.1200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

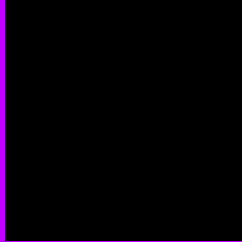
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5575, 0.2589, 0.1200

Background



This preview shows how black text looks on a background with the Yxy color 18.5575, 0.2589, 0.1200.



This preview shows how white text looks on a background with the Yxy color 18.5575, 0.2589, 0.1200.

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

18.5575, 0.2589, 0.1200

Protanopia

19.0834, 0.1739, 0.1460

Deuteranopia

19.0210, 0.1839, 0.1820



Tritanopia

18.7219, 0.4047, 0.3185

Trichromacy



Original Color

18.5575, 0.2589, 0.1200



Protanomaly

13.0392, 0.1751, 0.1034



Deuteranomaly

12.4080, 0.1807, 0.1156



Tritanomaly

15.7050, 0.3428, 0.2022

Monochromacy



Original Color

18.5575, 0.2589, 0.1200



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.3061, 0.2856, 0.1735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5575, 0.2589, 0.1200 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(193, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 0, 255)  
}
```

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(193, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 0, 255) }
```

Border

The CSS property to change the border of an element to Yxy 18.5575, 0.2589, 0.1200 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(193, 0, 255) }
```

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

```
.border{ border-color:rgb(193, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(193, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 0,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5575, 0.2589, 0.1200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 0, 255) }
```

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

```
.background{ background-color: rgb(193, 0,  
255) }
```

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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