

Converting Colors

$Y_{xy}(17.2338, 0.2615, 0.1214)$

Have a look what the booklet for
Yxy(17.2338, 0.2615, 0.1214)
contains.

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Color

Yxy(17.2839, 0.2616, 0.1215)

Conversions

Conversions Part 1

Format	Color
Hex	BC00F5
RGB	188, 0, 245
RGB Percent	74%, 0%, 96%
CMY	0.2629, 0.9991, 0.0392
CMYK	0.23, 1.00, 0.00, 0.04
HSL	286°, 100%, 48%
HSV	286°, 100%, 96%
XYZ	37.2137, 17.2839, 87.7567
YIQ	84.1420, 33.4030, 116.0510

Conversions

Conversions Part 2

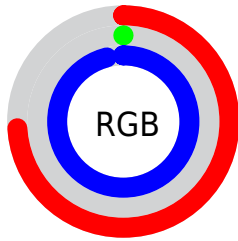
Format	Color
RYB	188, 0, 245
Decimal	12321013
CIELab	48.62, 87.27, -74.72
CIElCh	49, 114.885, 319.430
Yxy	17.2839, 0.2616, 0.1215
Android (android.graphics.Color)	4290511093 (0xFFBC00F5)
YUV	84.1420, 79.3030, 91.0835
Hunter-Lab	41.5739, 87.0250, -96.0511

Details

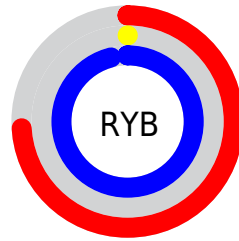
The Yxy color **17.2839, 0.2616, 0.1215** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **66.1794, 0.3081, 0.5935**, and the grayscale version is **8.7509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1884, 0.3139, 0.1810**, and **8.1771, 0.2425, 0.1110** is the 20% darker color. If you saturate the color by 10%, you get **17.2733, 0.2615, 0.1214**, and if you desaturate by 10%, it is **18.7023, 0.2677, 0.1284**.

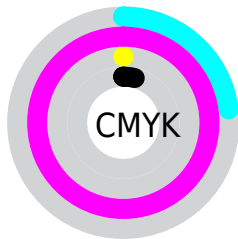
Distribution



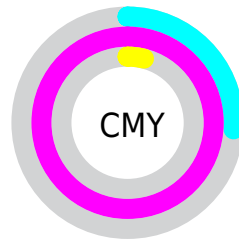
- Red (74%)
- Green (0%)
- Blue (96%)



- Red (74%)
- Yellow (0%)
- Blue (96%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)





- Cyan (26%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2839, 0.2616, 0.1215 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 17.2839, 0.2616, 0.1215 by changing the saturation by 10% instead.


 17.2839, 0.2616,
0.1215


 17.2839, 0.2616,
0.1215


236.8031, 0.2950,
0.2146


 10.4371, 0.2516,
0.1028


 38.8133, 0.2752,
0.1521


 5.6897, 0.2382,
0.0816


 54.2646, 0.2799,
0.1646

 2.6573, 0.2198,
0.0581


 73.3530, 0.2837,
0.1756

 0.9556, 0.1940,
0.0337

 96.4627, 0.2868,
0.1853

 0.0000, 0.1597,
0.0000

 123.9781, 0.2894,
0.1938

 0.0000, 0.1085,
0.0000

 156.2838, 0.2916,

 0.0000, 0.0000,

0.2015

0.0000

193.7640, 0.2935,
0.2084

■ 17.2839, 0.2616,
0.1215

■ 17.2839, 0.2616,
0.1215

■ 17.2733, 0.2615,
0.1214

■ 18.7023, 0.2677,
0.1284

■ 21.0021, 0.2740,
0.1395

■ 24.4446, 0.2804,
0.1554

■ 29.1878, 0.2866,
0.1754

■ 35.3645, 0.2924,
0.1989

■ 43.0907, 0.2977,
0.2245

■ 52.4707, 0.3024,
0.2513

■ 63.5994, 0.3065,
0.2782

■ 76.5645, 0.3099,
0.3043

Harmonies

Analogous

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



17.2839, 0.1300, 0.0930



17.2839, 0.2616, 0.1215



17.2839, 0.4824, 0.1828

Triad

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



17.2839, 0.2616, 0.1215



17.2839, 0.5419, 0.4581



17.2839, 0.0562, 0.2594

Complementary

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



17.2839, 0.2616, 0.1215



66.1794, 0.3081, 0.5935

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.



17.2839, 0.1122, 0.5617



17.2839, 0.2616, 0.1215



17.2839, 0.3791, 0.6209

Square

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



17.2839, 0.2616, 0.1215



17.2839, 0.6597, 0.3403



17.2839, 0.2289, 0.7437



17.2839, 0.0493, 0.1325

Rectangle

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



17.2839, 0.2616, 0.1215



17.2839, 0.6196, 0.2341



17.2839, 0.2289, 0.7437



17.2839, 0.0675, 0.3404

Sweetspot

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



17.2845, 0.2616, 0.1215



57.2953, 0.3024, 0.2509



9.5530, 0.1565, 0.0832



11.2883, 0.3005, 0.2395



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.



17.2845, 0.2616, 0.1215



18.9012, 0.2614, 0.1214



22.7003, 0.4039, 0.1999



16.5624, 0.3101, 0.3054



9.3718, 0.2625, 0.1220



0.8697, 0.2702, 0.1262

Inverse Universe

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



19.7142, 0.6019, 0.3090



21.5800, 0.6026, 0.3093



65.6907, 0.2916, 0.5698



16.5458, 0.3257, 0.3235



10.6350, 0.5983, 0.3070



0.9499, 0.5638, 0.2880

Previews

White Background



This preview shows how the Yxy color 17.2839, 0.2616, 0.1215 looks on a white background.

Color Contrast Check

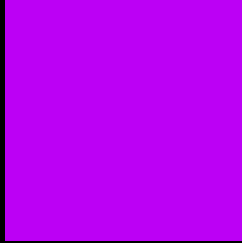
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.2839, 0.2616, 0.1215 looks on a black 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

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

Yxy 17.2839, 0.2616, 0.1215

Background



This preview shows how black text looks on a background with the Yxy color 17.2839, 0.2616, 0.1215.



This preview shows how white text looks on a background with the Yxy color 17.2839, 0.2616, 0.1215.

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

17.2839, 0.2616, 0.1215

Protanopia

17.9833, 0.1741, 0.1467

Deuteranopia

17.9870, 0.1842, 0.1830



Tritanopia

17.5605, 0.4091, 0.3184

Trichromacy



Original Color

17.2839, 0.2616, 0.1215



Protanomaly

12.2145, 0.1755, 0.1041



Deuteranomaly

11.6183, 0.1814, 0.1170



Tritanomaly

14.8180, 0.3479, 0.2040

Monochromacy



Original Color

17.2839, 0.2616, 0.1215



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.7591, 0.2861, 0.1752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2839, 0.2616, 0.1215 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(188, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 245) }
```

Border

The CSS property to change the border of an element to Yxy 17.2839, 0.2616, 0.1215 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(188, 0, 245) }
```

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

```
.border{ border-color:rgb(188, 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(188, 0, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2839, 0.2616, 0.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 245) }
```

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

```
.background{ background-color: rgb(188, 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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