

Converting Colors

$Y_{xy}(17.4091, 0.2584, 0.1285)$

Have a look what the booklet for
Yxy(17.4091, 0.2584, 0.1285)
contains.

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Color

Yxy(17.4016, 0.2580, 0.1284)

Conversions

Conversions Part 1

Format	Color
Hex	B329EF
RGB	179, 41, 239
RGB Percent	70%, 16%, 94%
CMY	0.2979, 0.8393, 0.0628
CMYK	0.25, 0.83, 0.00, 0.06
HSL	282°, 86%, 55%
HSV	282°, 83%, 94%
XYZ	34.9658, 17.4016, 83.1590
YIQ	104.8340, 18.6900, 90.8340

Conversions

Conversions Part 2

Format	Color
R _{YB}	179, 41, 239
Decimal	11741679
CIE Lab	48.76, 79.12, -71.16
CIE LCh	49, 106.410, 318.033
Yxy	17.4016, 0.2580, 0.1284
Android (android.graphics.Color)	4289931759 (0xFFB329EF)
YUV	104.8340, 66.1438, 65.0436
Hunter-Lab	41.7152, 76.6176, -88.9936

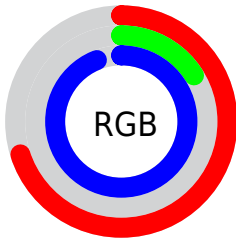
Details

The Yxy color **17.4016, 0.2580, 0.1284** is a light color, and the websafe version is hex **CC33FF**.

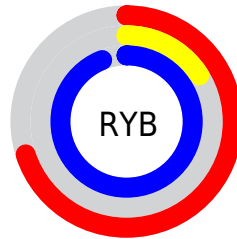
The color can be described as light washed purple. A complement of this color would be **64.6411, 0.3215, 0.5675**, and the grayscale version is **13.8913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0533, 0.3054, 0.1862**, and **7.3705, 0.2367, 0.1078** is the 20% darker color. If you saturate the color by 10%, you get **15.3817, 0.2500, 0.1174**, and if you desaturate by 10%, it is **20.4690, 0.2663, 0.1443**.

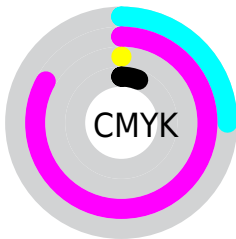
Distribution



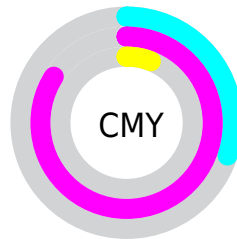
- Red (70%)
- Green (16%)
- Blue (94%)



- Red (70%)
- Yellow (16%)
- Blue (94%)



- Cyan (25%)
- Magenta (83%)
- Yellow (0%)
- Black (6%)





- Cyan (30%)
- Magenta (84%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4016, 0.2580, 0.1284 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 17.4016, 0.2580, 0.1284 by changing the saturation by 10% instead.


 17.4016, 0.2580,
0.1284


 17.4016, 0.2580,
0.1284


237.4762, 0.2928,
0.2201

 10.5212, 0.2477,
0.1095


 39.0150, 0.2720,
0.1590


 5.7459, 0.2338,
0.0878


 54.5168, 0.2769,
0.1713


 2.6912, 0.2148,
0.0634


 73.6612, 0.2809,
0.1821

 0.9727, 0.1882,
0.0375

 96.8326, 0.2842,
0.1916

 0.0000, 0.1527,
0.0000

 124.4154, 0.2869,
0.2000

 0.0000, 0.0992,
0.0000

156.7940, 0.2892,

 0.0000, 0.0000,

0.2074

0.0000

194.3528, 0.2911,
0.2141

■ 17.4016, 0.2580,
0.1284

■ 17.4016, 0.2580,
0.1284

■ 15.3817, 0.2500,
0.1174

■ 20.4690, 0.2663,
0.1443

■ 14.4059, 0.2444,
0.1120

■ 24.7403, 0.2746,
0.1647

■ 30.3473, 0.2825,
0.1886

■ 37.4036, 0.2899,
0.2149

■ 46.0104, 0.2966,
0.2423

56.2598, 0.3024,
0.2698

68.2364, 0.3074,
0.2966

82.0192, 0.3116,
0.3220

97.0098, 0.3152,
0.3447

Harmonies

Analogous

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



17.4016, 0.1346, 0.1013



17.4016, 0.2580, 0.1284



17.4016, 0.4615, 0.1876

Triad

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



17.4016, 0.2580, 0.1284



17.4016, 0.5442, 0.4558



17.4016, 0.0682, 0.2769

Complementary

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



17.4016, 0.2580, 0.1284



64.6411, 0.3215, 0.5675

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.



17.4016, 0.1304, 0.5565



17.4016, 0.2580, 0.1284



17.4016, 0.3947, 0.6053

Square

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



17.4016, 0.2580, 0.1284



17.4016, 0.6481, 0.3450



17.4016, 0.2495, 0.7135



17.4016, 0.0576, 0.1465

Rectangle

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



17.4016, 0.2580, 0.1284



17.4016, 0.5924, 0.2385



17.4016, 0.2495, 0.7135



17.4016, 0.0815, 0.3554

Sweetspot

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



17.4022, 0.2580, 0.1284



62.3724, 0.3012, 0.2637



16.5364, 0.1760, 0.1359



12.4394, 0.2992, 0.2540



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.



17.4022, 0.2580, 0.1284



16.8084, 0.2449, 0.1126



24.2270, 0.3629, 0.1866



15.7773, 0.3089, 0.3054



8.0345, 0.2456, 0.1127



0.7201, 0.2558, 0.1183

Inverse Universe

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



20.8685, 0.5242, 0.2825



21.8795, 0.5773, 0.2960



62.7300, 0.2924, 0.5537



15.8376, 0.3246, 0.3219



10.4225, 0.5752, 0.2942



0.8841, 0.5379, 0.2737

Previews

White Background



This preview shows how the Yxy color 17.4016, 0.2580, 0.1284 looks on a white background.

Color Contrast Check

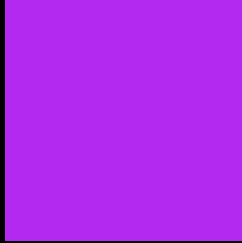
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4016, 0.2580, 0.1284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

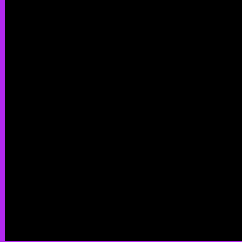
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.4016, 0.2580, 0.1284

Background



This preview shows how black text looks on a background with the Yxy color 17.4016, 0.2580, 0.1284.



This preview shows how white text looks on a background with the Yxy color 17.4016, 0.2580, 0.1284.

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

17.4016, 0.2580, 0.1284

Protanopia

17.7028, 0.1739, 0.1461

Deuteranopia

17.6986, 0.1840, 0.1823



Tritanopia

17.2543, 0.3886, 0.3161

Trichromacy



Original Color

17.4016, 0.2580, 0.1284



Protanomaly

13.9524, 0.1784, 0.1189



Deuteranomaly

13.7205, 0.1850, 0.1357



Tritanomaly

15.9223, 0.3334, 0.2179

Monochromacy



Original Color

17.4016, 0.2580, 0.1284



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.2732, 0.2878, 0.2080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4016, 0.2580, 0.1284 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(179, 41, 239)` looks like.

```
.text, #text, p{  
    color:rgb(179, 41, 239)  
}
```

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(179, 41, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 41, 239) }
```

Border

The CSS property to change the border of an element to Yxy 17.4016, 0.2580, 0.1284 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(179, 41, 239) }
```

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

```
.border{ border-color:rgb(179, 41, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 41, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 41, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 41, 239);  
box-shadow:4px 4px 4px 4px rgb(179, 41,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4016, 0.2580, 0.1284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 41, 239) }
```

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

```
.background{ background-color: rgb(179, 41,  
239) }
```

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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