

Converting Colors

$Y_{xy}(16.8005, 0.3516, 0.1791)$

Have a look what the booklet for
Yxy(16.8005, 0.3516, 0.1791)
contains.

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Color

Yxy(16.7912, 0.3512, 0.1788)

Conversions

Conversions Part 1

Format	Color
Hex	CA1FB3
RGB	202, 31, 179
RGB Percent	79%, 12%, 70%
CMY	0.2078, 0.8783, 0.2981
CMYK	0.00, 0.85, 0.11, 0.21
HSL	308°, 73%, 46%
HSV	308°, 85%, 79%
XYZ	32.9814, 16.7912, 44.1379
YIQ	99.0010, 54.4080, 82.2800

Conversions

Conversions Part 2

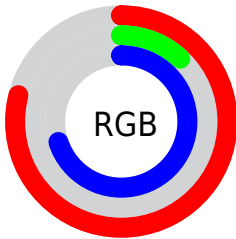
Format	Color
R_{YB}	202, 31, 179
Decimal	13246387
CIE _{Lab}	48.00, 75.51, -37.68
CIE _{LCh}	48, 84.390, 333.481
Yxy	16.7912, 0.3512, 0.1788
Android (android.graphics.Color)	4291436467 (0xFFCA1FB3)
YUV	99.0010, 39.4395, 90.3301
Hunter-Lab	40.9771, 71.9601, -35.1795

Details

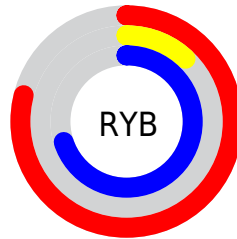
The Yxy color **16.7912, 0.3512, 0.1788** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **42.7991, 0.2952, 0.5651**, and the grayscale version is **12.3713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5655, 0.3385, 0.2033**, and **7.3460, 0.3526, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **15.9367, 0.3559, 0.1754**, and if you desaturate by 10%, it is **18.3097, 0.3462, 0.1866**.

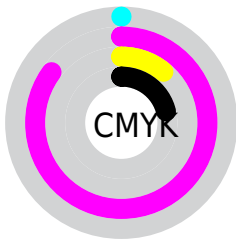
Distribution



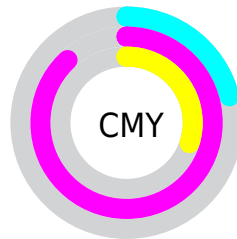
- Red (79%)
- Green (12%)
- Blue (70%)



- Red (79%)
- Yellow (12%)
- Blue (70%)



- Cyan (0%)
- Magenta (85%)
- Yellow (11%)
- Black (21%)





- Cyan (21%)
- Magenta (88%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7912, 0.3512, 0.1788 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 16.7912, 0.3512, 0.1788 by changing the saturation by 10% instead.


 16.7912, 0.3512,
0.1788


 16.7912, 0.3512,
0.1788


233.9662, 0.3338,
0.2542


 10.0857, 0.3547,
0.1606


 37.9664, 0.3455,
0.2059


 5.4558, 0.3584,
0.1380


 53.2050, 0.3431,
0.2162


 2.5171, 0.3620,
0.1095


 72.0567, 0.3410,
0.2249

 0.8852, 0.3641,
0.0740

 94.9059, 0.3392,
0.2324

 0.0000, 0.3722,
0.0000

 122.1371, 0.3376,
0.2390

 0.0000, 0.3250,
0.0000

 154.1346, 0.3362,

 0.0000, 0.0000,

0.2447

0.0000

191.2829, 0.3349,
0.2497

■ 16.7912, 0.3512,
0.1788

■ 16.7912, 0.3512,
0.1788

■ 15.9367, 0.3559,
0.1754

■ 18.3097, 0.3462,
0.1866

■ 15.6435, 0.3584,
0.1748

■ 20.5969, 0.3410,
0.1988

■ 23.7417, 0.3358,
0.2147

■ 27.8203, 0.3308,
0.2335

■ 32.9004, 0.3260,
0.2542

■ 39.0435, 0.3216,
0.2759

■ 46.3061, 0.3177,
0.2979

■ 54.7407, 0.3142,
0.3193

■ 64.3964, 0.3111,
0.3399

Harmonies

Analogous

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



16.7912, 0.2078, 0.1369



16.7912, 0.3512, 0.1788



16.7912, 0.5210, 0.2464

Triad

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



16.7912, 0.3512, 0.1788



16.7912, 0.4733, 0.5267



16.7912, 0.0868, 0.2211

Complementary

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



16.7912, 0.3512, 0.1788



42.7991, 0.2952, 0.5651

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.



16.7912, 0.1241, 0.3897



16.7912, 0.3512, 0.1788



16.7912, 0.3417, 0.6260

Square

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



16.7912, 0.3512, 0.1788



16.7912, 0.5753, 0.4122



16.7912, 0.2174, 0.5970



16.7912, 0.0898, 0.1467

Rectangle

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



16.7912, 0.3512, 0.1788



16.7912, 0.5937, 0.2974



16.7912, 0.2174, 0.5970



16.7912, 0.0938, 0.2651

Sweetspot

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



16.7920, 0.3512, 0.1788



65.3101, 0.3219, 0.2744



6.0258, 0.1687, 0.0803



13.1508, 0.3234, 0.2666



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.



16.7920, 0.3512, 0.1788



26.4624, 0.3589, 0.1751



14.3415, 0.5060, 0.2702



11.3767, 0.3158, 0.3092



10.0762, 0.3578, 0.1745



0.5272, 0.3496, 0.1699

Inverse Universe

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



16.7920, 0.3512, 0.1788



26.4624, 0.3589, 0.1751



44.4054, 0.2573, 0.4332



11.3767, 0.3158, 0.3092



10.0762, 0.3578, 0.1745



0.5272, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 16.7912, 0.3512, 0.1788 looks on a white background.

Color Contrast Check

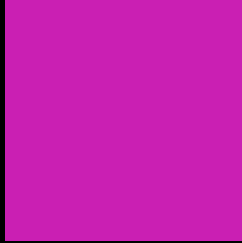
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7912, 0.3512, 0.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

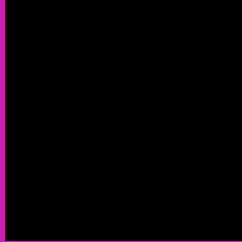
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7912, 0.3512, 0.1788

Background



This preview shows how black text looks on a background with the Yxy color 16.7912, 0.3512, 0.1788.



This preview shows how white text looks on a background with the Yxy color 16.7912, 0.3512, 0.1788.

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

16.7912, 0.3512, 0.1788

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.1745, 0.2355, 0.2299



Tritanopia

16.9341, 0.4970, 0.3247

Trichromacy



Original Color

16.7912, 0.3512, 0.1788



Protanomaly

12.3574, 0.1876, 0.1286



Deuteranomaly

14.2633, 0.2672, 0.1884



Tritanomaly

16.1015, 0.4466, 0.2622

Monochromacy



Original Color

16.7912, 0.3512, 0.1788



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.6903, 0.3300, 0.2338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7912, 0.3512, 0.1788 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(202, 31, 179)` looks like.

```
.text, #text, p{  
    color:rgb(202, 31, 179)  
}
```

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(202, 31, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 31, 179) }
```

Border

The CSS property to change the border of an element to Yxy 16.7912, 0.3512, 0.1788 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(202, 31, 179) }
```

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

```
.border{ border-color:rgb(202, 31, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 31, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 31, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 31, 179);  
box-shadow:4px 4px 4px 4px rgb(202, 31,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7912, 0.3512, 0.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 31, 179) }
```

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

```
.background{ background-color: rgb(202, 31,  
179) }
```

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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