

Converting Colors

$Y_{xy}(16.6182, 0.3566, 0.1865)$

Have a look what the booklet for
Yxy(16.6182, 0.3566, 0.1865)
contains.

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Color

Yxy(16.6383, 0.3570, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	C728AC
RGB	199, 40, 172
RGB Percent	78%, 16%, 67%
CMY	0.2195, 0.8433, 0.3254
CMYK	0.00, 0.80, 0.14, 0.22
HSL	310°, 67%, 47%
HSV	310°, 80%, 78%
XYZ	31.7640, 16.6383, 40.5725
YIQ	102.5890, 52.3920, 74.7600

Conversions

Conversions Part 2

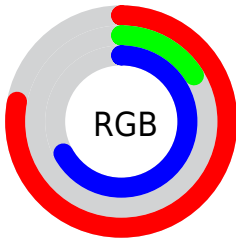
Format	Color
R _{YB}	199, 40, 172
Decimal	13052076
CIE Lab	47.80, 71.97, -33.92
CIE LCh	48, 79.566, 334.768
Yxy	16.6383, 0.3570, 0.1870
Android (android.graphics.Color)	4291242156 (0xFFC728AC)
YUV	102.5890, 34.2196, 84.5524
Hunter-Lab	40.7901, 67.6188, -30.4208

Details

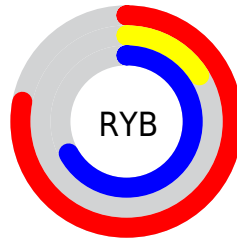
The Yxy color **16.6383, 0.3570, 0.1870** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **41.7135, 0.2928, 0.5474**, and the grayscale version is **13.3426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9646, 0.3453, 0.2117**, and **6.9946, 0.3637, 0.1777** is the 20% darker color. If you saturate the color by 10%, you get **15.4985, 0.3633, 0.1820**, and if you desaturate by 10%, it is **18.4730, 0.3505, 0.1965**.

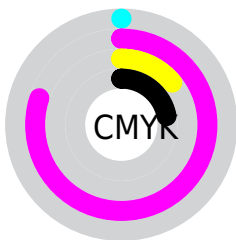
Distribution



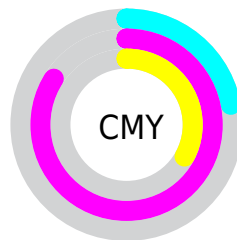
- Red (78%)
- Green (16%)
- Blue (67%)



- Red (78%)
- Yellow (16%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (14%)
- Black (22%)




- Cyan (22%)
- Magenta (84%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6383, 0.3570, 0.1870 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 16.6383, 0.3570, 0.1870 by changing the saturation by 10% instead.


 16.6383, 0.3570,
0.1870


 16.6383, 0.3570,
0.1870

 233.0793, 0.3357,
0.2593


 9.9769, 0.3617,
0.1692


 37.7028, 0.3496,
0.2133


 5.3837, 0.3673,
0.1467


 52.8748, 0.3467,
0.2231

 2.4741, 0.3737,
0.1179


 71.6524, 0.3442,
0.2315

 0.8636, 0.3802,
0.0812

 94.4201, 0.3421,
0.2387

 0.0000, 0.3977,
0.0000

 121.5622, 0.3402,
0.2449

 0.0000, 0.3445,
0.0000

 153.4632, 0.3385,

 0.0000, 0.0000,

0.2503

0.0000

190.5074, 0.3370,
0.2550

■ 16.6383, 0.3570,
0.1870

■ 16.6383, 0.3570,
0.1870

■ 15.4985, 0.3633,
0.1820

■ 18.4730, 0.3505,
0.1965

■ 14.8746, 0.3694,
0.1809

■ 21.0933, 0.3439,
0.2101

■ 14.8704, 0.3694,
0.1809

■ 24.5790, 0.3375,
0.2270

■ 28.9995, 0.3315,
0.2462

■ 34.4169, 0.3259,
0.2669

■ 40.8882, 0.3209,
0.2880

■ 48.4659, 0.3165,
0.3089

■ 57.1992, 0.3127,
0.3292

■ 67.1341, 0.3094,
0.3484

Harmonies

Analogous

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



16.6383, 0.2174, 0.1446



16.6383, 0.3570, 0.1870



16.6383, 0.5163, 0.2540

Triad

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



16.6383, 0.3570, 0.1870



16.6383, 0.4658, 0.5272



16.6383, 0.0938, 0.2227

Complementary

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



16.6383, 0.3570, 0.1870



41.7135, 0.2928, 0.5474

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.



16.6383, 0.1298, 0.3788



16.6383, 0.3570, 0.1870



16.6383, 0.3403, 0.6150

Square

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



16.6383, 0.3570, 0.1870



16.6383, 0.5634, 0.4182



16.6383, 0.2195, 0.5738



16.6383, 0.0975, 0.1522

Rectangle

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



16.6383, 0.3570, 0.1870



16.6383, 0.5830, 0.3047



16.6383, 0.2195, 0.5738



16.6383, 0.1005, 0.2639

Sweetspot

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



16.6391, 0.3570, 0.1870



66.3232, 0.3231, 0.2786



6.8138, 0.1784, 0.0911



13.3376, 0.3249, 0.2710



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.



16.6391, 0.3570, 0.1870



26.3072, 0.3678, 0.1812



14.4501, 0.5008, 0.2753



10.7845, 0.3163, 0.3100



9.5706, 0.3686, 0.1804



0.4616, 0.3571, 0.1741

Inverse Universe

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



16.6391, 0.3570, 0.1870



26.3072, 0.3678, 0.1812



43.3840, 0.2546, 0.4170



10.7845, 0.3163, 0.3100



9.5706, 0.3686, 0.1804



0.4616, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 16.6383, 0.3570, 0.1870 looks on a white background.

Color Contrast Check

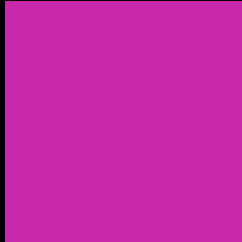
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6383, 0.3570, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

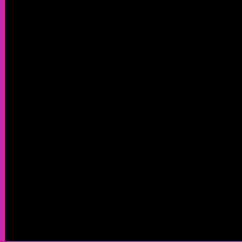
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6383, 0.3570, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 16.6383, 0.3570, 0.1870.



This preview shows how white text looks on a background with the Yxy color 16.6383, 0.3570, 0.1870.

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

16.6383, 0.3570, 0.1870

Protanopia

17.1410, 0.1770, 0.1485

Deuteranopia

16.9057, 0.2440, 0.2391



Tritanopia

16.5585, 0.4920, 0.3233

Trichromacy



Original Color

16.6383, 0.3570, 0.1870



Protanomaly

13.2740, 0.2004, 0.1400



Deuteranomaly

14.3953, 0.2758, 0.1997



Tritanomaly

15.9750, 0.4452, 0.2664

Monochromacy



Original Color

16.6383, 0.3570, 0.1870



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.6991, 0.3322, 0.2446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6383, 0.3570, 0.1870 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(199, 40, 172)` looks like.

```
.text, #text, p{  
    color:rgb(199, 40, 172)  
}
```

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(199, 40, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 40, 172) }
```

Border

The CSS property to change the border of an element to Yxy 16.6383, 0.3570, 0.1870 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(199, 40, 172) }
```

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

```
.border{ border-color:rgb(199, 40, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 40, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 40, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 40, 172);  
box-shadow:4px 4px 4px 4px rgb(199, 40,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6383, 0.3570, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 40, 172) }
```

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

```
.background{ background-color: rgb(199, 40,  
172) }
```

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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