

Converting Colors

$Yxy(16.0107, 0.3577, 0.1744)$

Have a look what the booklet for
Yxy(16.0107, 0.3577, 0.1744)
contains.

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Color

Yxy(16.0117, 0.3577, 0.1744)

Conversions

Conversions Part 1

Format	Color
Hex	CC00B1
RGB	204, 0, 177
RGB Percent	80%, 0%, 69%
CMY	0.2000, 1.0000, 0.3059
CMYK	0.00, 1.00, 0.13, 0.20
HSL	308°, 100%, 40%
HSV	308°, 100%, 80%
XYZ	32.8405, 16.0117, 42.9580
YIQ	81.1740, 64.7670, 98.2950

Conversions

Conversions Part 2

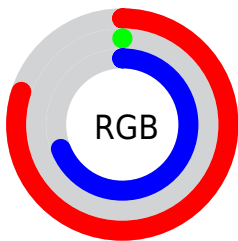
Format	Color
R_{YB}	204, 0, 177
Decimal	13369521
CIE _{Lab}	46.99, 79.35, -38.08
CIE _{LCh}	47, 88.013, 334.361
Yxy	16.0117, 0.3577, 0.1744
Android (android.graphics.Color)	4291559601 (0xFFCC00B1)
YUV	81.1740, 47.2422, 107.7184
Hunter-Lab	40.0146, 76.4716, -35.6410

Details

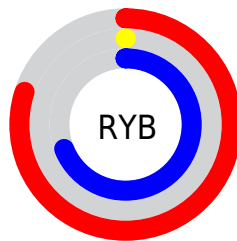
The Yxy color **16.0117, 0.3577, 0.1744** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **43.2707, 0.2973, 0.5903**, and the grayscale version is **8.1608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6254, 0.3412, 0.1979**, and **7.4750, 0.3604, 0.1759** is the 20% darker color. If you saturate the color by 10%, you get **16.0137, 0.3577, 0.1744**, and if you desaturate by 10%, it is **16.6371, 0.3532, 0.1761**.

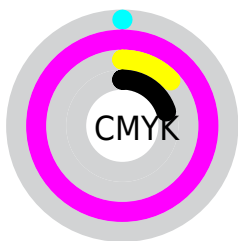
Distribution



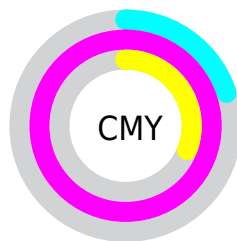
- Red (80%)
- Green (0%)
- Blue (69%)



- Red (80%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (13%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0117, 0.3577, 0.1744 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 16.0117, 0.3577, 0.1744 by changing the saturation by 10% instead.


 16.0117, 0.3577,
0.1744


 16.0117, 0.3577,
0.1744


 229.4107, 0.3368,
0.2520

 9.5324, 0.3620,
0.1557


 36.6185, 0.3507,
0.2023


 5.0901, 0.3669,
0.1325


 51.5149, 0.3478,
0.2129


 2.3002, 0.3720,
0.1035


 69.9857, 0.3454,
0.2219

 0.7738, 0.3762,
0.0674

 92.4154, 0.3432,
0.2296

 0.0000, 0.3850,
0.0000

 119.1883, 0.3413,
0.2363

 0.0000, 0.3405,
0.0000

 150.6889, 0.3396,

 0.0000, 0.0000,

0.2422

0.0000

187.3016, 0.3381,
0.2474

■ 16.0117, 0.3577,
0.1744

■ 16.0117, 0.3577,
0.1744

■ 16.0137, 0.3577,
0.1744

■ 16.6371, 0.3532,
0.1761

■ 17.8056, 0.3484,
0.1815

■ 19.7057, 0.3434,
0.1914

■ 22.4369, 0.3382,
0.2054

■ 26.0831, 0.3332,
0.2228

■ 30.7181, 0.3283,
0.2426

■ 36.4081, 0.3238,
0.2640

■ 43.2136, 0.3197,
0.2860

■ 51.1905, 0.3160,
0.3078

Harmonies

Analogous

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



16.0117, 0.2061, 0.1310



16.0117, 0.3577, 0.1744



16.0117, 0.5369, 0.2438

Triad

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



16.0117, 0.3577, 0.1744



16.0117, 0.4686, 0.5314



16.0117, 0.0787, 0.2108

Complementary

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



16.0117, 0.3577, 0.1744



43.2707, 0.2973, 0.5903

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.



16.0117, 0.1134, 0.3850



16.0117, 0.3577, 0.1744



16.0117, 0.3334, 0.6431

Square

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



16.0117, 0.3577, 0.1744



16.0117, 0.5832, 0.4138



16.0117, 0.2061, 0.6116



16.0117, 0.0833, 0.1380

Rectangle

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



16.0117, 0.3577, 0.1744



16.0117, 0.6099, 0.2953



16.0117, 0.2061, 0.6116



16.0117, 0.0849, 0.2552

Sweetspot

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



16.0137, 0.3577, 0.1744



59.8850, 0.3240, 0.2632



4.5520, 0.1539, 0.0621



11.9159, 0.3259, 0.2539



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.



16.0137, 0.3577, 0.1744



26.4935, 0.3582, 0.1747



13.3921, 0.5462, 0.2783



11.3772, 0.3158, 0.3091



10.0878, 0.3571, 0.1741



0.5277, 0.3490, 0.1696

Inverse Universe

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



16.0137, 0.3577, 0.1744



26.4935, 0.3582, 0.1747



44.6930, 0.2613, 0.4607



11.3772, 0.3158, 0.3091



10.0878, 0.3571, 0.1741



0.5277, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 16.0117, 0.3577, 0.1744 looks on a white background.

Color Contrast Check

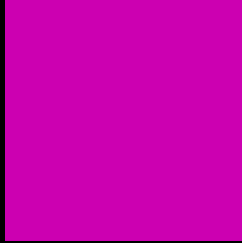
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0117, 0.3577, 0.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

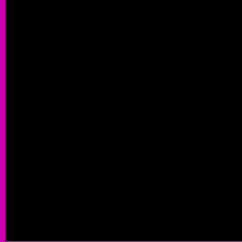
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0117, 0.3577, 0.1744

Background



This preview shows how black text looks on a background with the Yxy color 16.0117, 0.3577, 0.1744.



This preview shows how white text looks on a background with the Yxy color 16.0117, 0.3577, 0.1744.

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

16.0117, 0.3577, 0.1744

Protanopia

16.7635, 0.1737, 0.1454

Deuteranopia

16.7876, 0.2365, 0.2322



Tritanopia

16.4768, 0.5115, 0.3250

Trichromacy



Original Color

16.0117, 0.3577, 0.1744



Protanomaly

10.4656, 0.1856, 0.1154



Deuteranomaly

12.4425, 0.2690, 0.1754



Tritanomaly

15.0302, 0.4621, 0.2563

Monochromacy



Original Color

16.0117, 0.3577, 0.1744



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

8.1526, 0.3368, 0.2115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0117, 0.3577, 0.1744 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(204, 0, 177)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 177)  
}
```

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(204, 0, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 177) }
```

Border

The CSS property to change the border of an element to Yxy 16.0117, 0.3577, 0.1744 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(204, 0, 177) }
```

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

```
.border{ border-color:rgb(204, 0, 177) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 177);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0117, 0.3577, 0.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 177) }
```

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

```
.background{ background-color: rgb(204, 0,  
177) }
```

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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