

Converting Colors

$Yxy(16.9762, 0.3268, 0.1574)$

Have a look what the booklet for
Yxy(16.9762, 0.3268, 0.1574)
contains.

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Color

Yxy(16.9609, 0.3272, 0.1576)

Conversions

Conversions Part 1

Format	Color
Hex	CC00C7
RGB	204, 0, 199
RGB Percent	80%, 0%, 78%
CMY	0.1999, 1.0000, 0.2196
CMYK	0.00, 1.00, 0.02, 0.20
HSL	301°, 100%, 40%
HSV	301°, 100%, 80%
XYZ	35.2132, 16.9609, 55.4458
YIQ	83.6820, 57.7050, 105.1370

Conversions

Conversions Part 2

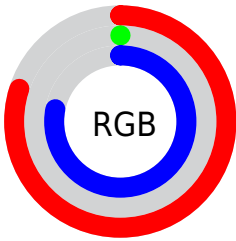
Format	Color
RYB	204, 0, 199
Decimal	13369543
CIELab	48.21, 82.34, -49.00
CIELCh	48, 95.816, 329.242
Yxy	16.9609, 0.3272, 0.1576
Android (android.graphics.Color)	4291559623 (0xFFCC00C7)
YUV	83.6820, 56.8518, 105.5189
Hunter-Lab	41.1836, 80.5516, -50.9940

Details

The Yxy color **16.9609, 0.3272, 0.1576** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **43.2051, 0.2996, 0.5986**, and the grayscale version is **8.6703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3087, 0.3195, 0.1836**, and **8.0334, 0.3226, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **16.9630, 0.3272, 0.1576**, and if you desaturate by 10%, it is **17.5010, 0.3264, 0.1607**.

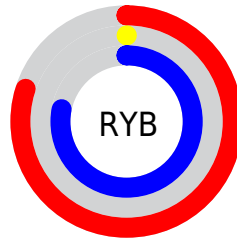
Distribution



Red (80%)

Green (0%)

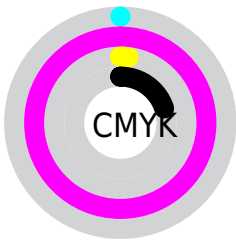
Blue (78%)



Red (80%)

Yellow (0%)

Blue (78%)

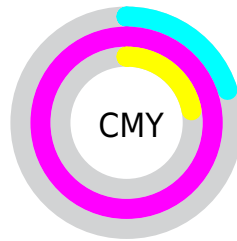


Cyan (0%)

Magenta (100%)

Yellow (2%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9609, 0.3272, 0.1576 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 16.9609, 0.3272, 0.1576 by changing the saturation by 10% instead.


 16.9609, 0.3272,
0.1576


 16.9609, 0.3272,
0.1576


234.9470, 0.3245,
0.2405


 10.2066, 0.3262,
0.1388


 38.2585, 0.3274,
0.1866


 5.5362, 0.3239,
0.1160


 53.5707, 0.3271,
0.1978


 2.5652, 0.3189,
0.0887


 72.5042, 0.3268,
0.2075

 0.9092, 0.3087,
0.0567

 95.4436, 0.3263,
0.2159

 0.0000, 0.2940,
0.0000

 122.7731, 0.3259,
0.2232

 0.0000, 0.2410,
0.0000

 154.8773, 0.3254,

 0.0000, 0.0000,

0.2297

0.0000

192.1404, 0.3249,
0.2354

■ 16.9609, 0.3272,
0.1576

■ 16.9609, 0.3272,
0.1576

■ 16.9630, 0.3272,
0.1576

■ 17.5010, 0.3264,
0.1607

■ 18.5822, 0.3253,
0.1674

■ 20.3929, 0.3241,
0.1783

■ 23.0325, 0.3226,
0.1933

■ 26.5852, 0.3210,
0.2120

■ 31.1246, 0.3193,
0.2334

■ 36.7170, 0.3176,
0.2567

■ 43.4227, 0.3159,
0.2809

■ 51.2979, 0.3142,
0.3053

Harmonies

Analogous

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



16.9609, 0.1807, 0.1190



16.9609, 0.3272, 0.1576



16.9609, 0.5216, 0.2250

Triad

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



16.9609, 0.3272, 0.1576



16.9609, 0.4907, 0.5093



16.9609, 0.0725, 0.2243

Complementary

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



16.9609, 0.3272, 0.1576



43.2051, 0.2996, 0.5986

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.



16.9609, 0.1146, 0.4315



16.9609, 0.3272, 0.1576



16.9609, 0.3528, 0.6472

Square

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



16.9609, 0.3272, 0.1576



16.9609, 0.6071, 0.3917



16.9609, 0.2171, 0.6587



16.9609, 0.0725, 0.1369

Rectangle

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



16.9609, 0.3272, 0.1576



16.9609, 0.6137, 0.2764



16.9609, 0.2171, 0.6587



16.9609, 0.0805, 0.2777

Sweetspot

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



16.9630, 0.3272, 0.1576



60.3994, 0.3176, 0.2558



4.3824, 0.1505, 0.0603



12.0409, 0.3184, 0.2457



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.



16.9630, 0.3272, 0.1576



28.0820, 0.3273, 0.1577



13.7332, 0.5045, 0.2553



11.3988, 0.3142, 0.3067



10.6768, 0.3271, 0.1576



0.5524, 0.3258, 0.1568

Inverse Universe

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



16.9630, 0.3272, 0.1576



28.0820, 0.3273, 0.1577



44.2225, 0.2712, 0.4962



11.3988, 0.3142, 0.3067



10.6768, 0.3271, 0.1576



0.5524, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 16.9609, 0.3272, 0.1576 looks on a white background.

Color Contrast Check

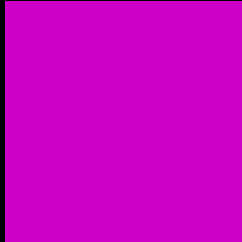
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9609, 0.3272, 0.1576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

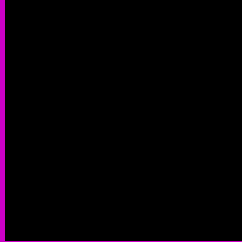
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9609, 0.3272, 0.1576

Background



This preview shows how black text looks on a background with the Yxy color 16.9609, 0.3272, 0.1576.



This preview shows how white text looks on a background with the Yxy color 16.9609, 0.3272, 0.1576.

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

16.9609, 0.3272, 0.1576

Protanopia

17.7614, 0.1737, 0.1454

Deuteranopia

17.8063, 0.2132, 0.2082



Tritanopia

17.2798, 0.4869, 0.3233

Trichromacy



Original Color

16.9609, 0.3272, 0.1576



Protanomaly

11.3441, 0.1824, 0.1116



Deuteranomaly

12.7967, 0.2384, 0.1535



Tritanomaly

15.4976, 0.4311, 0.2420

Monochromacy



Original Color

16.9609, 0.3272, 0.1576



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.6418, 0.3223, 0.1998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9609, 0.3272, 0.1576 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 199) }
```

Border

The CSS property to change the border of an element to Yxy 16.9609, 0.3272, 0.1576 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, 199) }
```

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

```
.border{ border-color:rgb(204, 0, 199) }
```

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, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 199);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9609, 0.3272, 0.1576 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, 199) }
```

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

```
.background{ background-color: rgb(204, 0,  
199) }
```

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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