

Converting Colors

$Yxy(16.8181, 0.3312, 0.1598)$

Have a look what the booklet for
Yxy(16.8181, 0.3312, 0.1598)
contains.

Yxy(16.8229, 0.3310, 0.1597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.8229, 0.3310, 0.1597)

Conversions

Conversions Part 1

Format	Color
Hex	CC00C4
RGB	204, 0, 196
RGB Percent	80%, 0%, 77%
CMY	0.2000, 1.0000, 0.2313
CMYK	0.00, 1.00, 0.04, 0.20
HSL	302°, 100%, 40%
HSV	302°, 100%, 80%
XYZ	34.8678, 16.8229, 53.6500
YIQ	83.3400, 58.6680, 104.2040

Conversions

Conversions Part 2

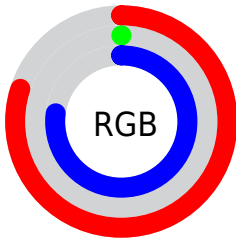
Format	Color
R_{YB}	204, 0, 196
Decimal	13369540
CIE _{Lab}	48.04, 81.91, -47.56
CIE _{LCh}	48, 94.719, 329.860
Yxy	16.8229, 0.3310, 0.1597
Android (android.graphics.Color)	4291559620 (0xFFCC00C4)
YUV	83.3400, 55.5414, 105.8188
Hunter-Lab	41.0157, 79.9665, -48.8424

Details

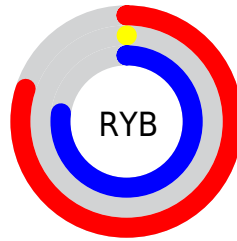
The Yxy color **16.8229, 0.3310, 0.1597** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **43.2030, 0.2994, 0.5978**, and the grayscale version is **8.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0061, 0.3214, 0.1843**, and **7.9428, 0.3278, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **16.8241, 0.3310, 0.1597**, and if you desaturate by 10%, it is **17.3750, 0.3297, 0.1627**.

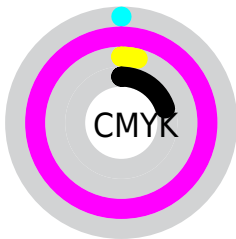
Distribution



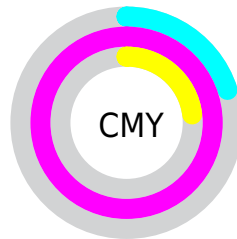
- Red (80%)
- Green (0%)
- Blue (77%)



- Red (80%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8229, 0.3310, 0.1597 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 16.8229, 0.3310, 0.1597 by changing the saturation by 10% instead.


 16.8229, 0.3310,
0.1597


 16.8229, 0.3310,
0.1597


234.1497, 0.3261,
0.2420


 10.1083, 0.3306,
0.1409


 38.0210, 0.3304,
0.1886


 5.4708, 0.3291,
0.1180


 53.2733, 0.3298,
0.1997

 2.5261, 0.3253,
0.0904


 72.1404, 0.3291,
0.2093

 0.8896, 0.3165,
0.0580

 95.0065, 0.3285,
0.2176

 0.0000, 0.3039,
0.0000

 122.2561, 0.3278,
0.2249

 0.0000, 0.2514,
0.0000

 154.2736, 0.3272,

 0.0000, 0.0000,

0.2313

0.0000

191.4433, 0.3266,
0.2369

■ 16.8229, 0.3310,
0.1597

■ 16.8229, 0.3310,
0.1597

■ 16.8241, 0.3310,
0.1597

■ 17.3750, 0.3297,
0.1627

■ 18.4691, 0.3282,
0.1692

■ 20.2927, 0.3265,
0.1799

■ 22.9453, 0.3246,
0.1949

■ 26.5107, 0.3226,
0.2134

■ 31.0629, 0.3205,
0.2346

■ 36.6678, 0.3184,
0.2577

■ 43.3861, 0.3164,
0.2816

■ 51.2736, 0.3145,
0.3056

Harmonies

Analogous

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



16.8229, 0.1838, 0.1205



16.8229, 0.3310, 0.1597



16.8229, 0.5236, 0.2273

Triad

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



16.8229, 0.3310, 0.1597



16.8229, 0.4879, 0.5121



16.8229, 0.0733, 0.2225

Complementary

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



16.8229, 0.3310, 0.1597



43.2030, 0.2994, 0.5978

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.



16.8229, 0.1146, 0.4253



16.8229, 0.3310, 0.1597



16.8229, 0.3508, 0.6474

Square

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



16.8229, 0.3310, 0.1597



16.8229, 0.6040, 0.3945



16.8229, 0.2159, 0.6530



16.8229, 0.0739, 0.1371

Rectangle

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



16.8229, 0.3310, 0.1597



16.8229, 0.6132, 0.2788



16.8229, 0.2159, 0.6530



16.8229, 0.0811, 0.2747

Sweetspot

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



16.8241, 0.3310, 0.1597



60.3291, 0.3185, 0.2568



4.4035, 0.1509, 0.0605



12.0237, 0.3194, 0.2468



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.



16.8241, 0.3310, 0.1597



27.8547, 0.3311, 0.1598



13.6672, 0.5116, 0.2592



11.3959, 0.3144, 0.3070



10.5927, 0.3308, 0.1596



0.5489, 0.3287, 0.1585

Inverse Universe

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



16.8241, 0.3310, 0.1597



27.8547, 0.3311, 0.1598



44.2853, 0.2696, 0.4904



11.3959, 0.3144, 0.3070



10.5927, 0.3308, 0.1596



0.5489, 0.3287, 0.1585

Previews

White Background



This preview shows how the Yxy color 16.8229, 0.3310, 0.1597 looks on a white background.

Color Contrast Check

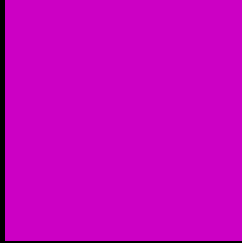
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8229, 0.3310, 0.1597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

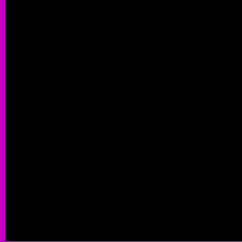
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8229, 0.3310, 0.1597

Background



This preview shows how black text looks on a background with the Yxy color 16.8229, 0.3310, 0.1597.



This preview shows how white text looks on a background with the Yxy color 16.8229, 0.3310, 0.1597.

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

16.8229, 0.3310, 0.1597

Protanopia

17.7028, 0.1739, 0.1461

Deuteranopia

17.5293, 0.2157, 0.2105



Tritanopia

17.1234, 0.4893, 0.3233

Trichromacy



Original Color

16.8229, 0.3310, 0.1597



Protanomaly

11.2362, 0.1830, 0.1126



Deuteranomaly

12.7394, 0.2419, 0.1564



Tritanomaly

15.3624, 0.4351, 0.2436

Monochromacy



Original Color

16.8229, 0.3310, 0.1597



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.5135, 0.3240, 0.2019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8229, 0.3310, 0.1597 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 196) }
```

Border

The CSS property to change the border of an element to Yxy 16.8229, 0.3310, 0.1597 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, 196) }
```

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

```
.border{ border-color:rgb(204, 0, 196) }
```

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, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8229, 0.3310, 0.1597 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, 196) }
```

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

```
.background{ background-color: rgb(204, 0,  
196) }
```

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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