

Converting Colors

$Y_{xy}(17.0777, 0.3693, 0.1808)$

Have a look what the booklet for
Yxy(17.0777, 0.3693, 0.1808)
contains.

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Color

Yxy(17.1316, 0.3696, 0.1810)

Conversions

Conversions Part 1

Format	Color
Hex	D400B0
RGB	212, 0, 176
RGB Percent	83%, 0%, 69%
CMY	0.1687, 0.9992, 0.3098
CMYK	0.00, 1.00, 0.17, 0.17
HSL	310°, 100%, 42%
HSV	310°, 100%, 83%
XYZ	34.9825, 17.1316, 42.5356
YIQ	83.4520, 69.8560, 99.6800

Conversions

Conversions Part 2

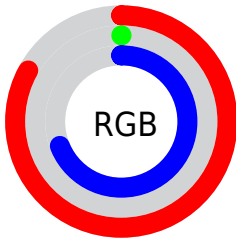
Format	Color
R_{YB}	212, 0, 176
Decimal	13893808
CIE _{Lab}	48.43, 80.63, -35.13
CIE _{LCh}	48, 87.946, 336.459
Yxy	17.1316, 0.3696, 0.1810
Android (android.graphics.Color)	4292083888 (0xFFD400B0)
YUV	83.4520, 45.6262, 112.7366
Hunter-Lab	41.3903, 78.4326, -31.9573

Details

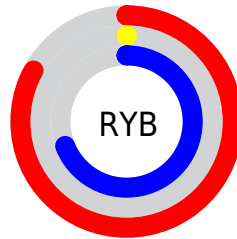
The Yxy color **17.1316, 0.3696, 0.1810** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **47.2053, 0.2960, 0.5856**, and the grayscale version is **8.6653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9149, 0.3421, 0.2000**, and **8.1055, 0.3750, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **17.1268, 0.3697, 0.1810**, and if you desaturate by 10%, it is **17.8237, 0.3636, 0.1819**.

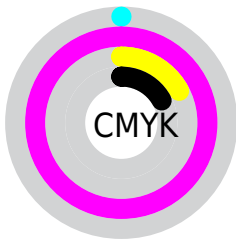
Distribution



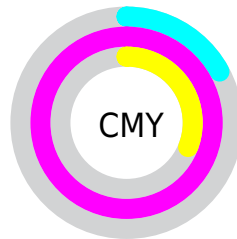
- Red (83%)
- Green (0%)
- Blue (69%)



- Red (83%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (17%)





- Cyan (17%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1316, 0.3696, 0.1810 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 17.1316, 0.3696, 0.1810 by changing the saturation by 10% instead.


 17.1316, 0.3696,
0.1810


 17.1316, 0.3696,
0.1810


235.9296, 0.3418,
0.2552


 10.3284, 0.3760,
0.1631


 38.5519, 0.3598,
0.2077


 5.6172, 0.3838,
0.1407


 53.9378, 0.3560,
0.2178


 2.6137, 0.3932,
0.1125


 72.9533, 0.3528,
0.2264

 0.9336, 0.4041,
0.0772

 95.9829, 0.3500,
0.2338

 0.0000, 0.4297,
0.0000

 123.4109, 0.3476,
0.2402

 0.0000, 0.4136,
0.0000

 155.6218, 0.3454,

 0.0000, 0.0000,

0.2458

0.0000

192.9999, 0.3435,
0.2508

■ 17.1316, 0.3696,
0.1810

■ 17.1316, 0.3696,
0.1810

■ 17.1268, 0.3697,
0.1810

■ 17.8237, 0.3636,
0.1819

■ 19.1194, 0.3572,
0.1868

■ 21.2166, 0.3506,
0.1962

■ 24.2247, 0.3440,
0.2098

■ 28.2361, 0.3376,
0.2267

■ 33.3317, 0.3316,
0.2460

■ 39.5842, 0.3260,
0.2666

■ 47.0602, 0.3210,
0.2878

■ 55.8210, 0.3165,
0.3089

Harmonies

Analogous

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



17.1316, 0.2164, 0.1357



17.1316, 0.3696, 0.1810



17.1316, 0.5423, 0.2511

Triad

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



17.1316, 0.3696, 0.1810



17.1316, 0.4602, 0.5398



17.1316, 0.0810, 0.2059

Complementary

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



17.1316, 0.3696, 0.1810



47.2053, 0.2960, 0.5856

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.



17.1316, 0.1128, 0.3687



17.1316, 0.3696, 0.1810



17.1316, 0.3258, 0.6408

Square

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



17.1316, 0.3696, 0.1810



17.1316, 0.5732, 0.4219



17.1316, 0.2013, 0.5925



17.1316, 0.0876, 0.1383

Rectangle

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



17.1316, 0.3696, 0.1810



17.1316, 0.6081, 0.3026



17.1316, 0.2013, 0.5925



17.1316, 0.0864, 0.2472

Sweetspot

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



17.1325, 0.3696, 0.1810



59.7111, 0.3262, 0.2658



5.1228, 0.1568, 0.0638



11.8738, 0.3285, 0.2569



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.



17.1325, 0.3696, 0.1810



25.9972, 0.3702, 0.1813



14.4503, 0.5661, 0.2893



12.5948, 0.3163, 0.3099



10.5888, 0.3688, 0.1806



0.6485, 0.3592, 0.1752

Inverse Universe

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



17.1325, 0.3696, 0.1810



25.9972, 0.3702, 0.1813



49.0114, 0.2563, 0.4427



12.5948, 0.3163, 0.3099



10.5888, 0.3688, 0.1806



0.6485, 0.3592, 0.1752

Previews

White Background



This preview shows how the Yxy color 17.1316, 0.3696, 0.1810 looks on a white background.

Color Contrast Check

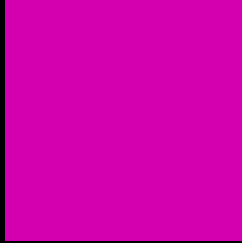
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1316, 0.3696, 0.1810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

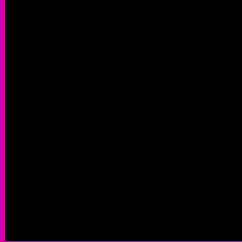
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1316, 0.3696, 0.1810

Background



This preview shows how black text looks on a background with the Yxy color 17.1316, 0.3696, 0.1810.



This preview shows how white text looks on a background with the Yxy color 17.1316, 0.3696, 0.1810.

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

17.1316, 0.3696, 0.1810

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.8600, 0.2453, 0.2409



Tritanopia

17.4338, 0.5217, 0.3253

Trichromacy



Original Color

17.1316, 0.3696, 0.1810



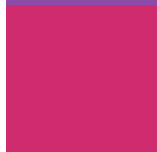
Protanomaly

11.2223, 0.1865, 0.1169



Deuteranomaly

13.3376, 0.2806, 0.1832



Tritanomaly

16.0490, 0.4741, 0.2608

Monochromacy



Original Color

17.1316, 0.3696, 0.1810



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.7480, 0.3436, 0.2164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1316, 0.3696, 0.1810 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(212, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 176)  
}
```

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(212, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 176) }
```

Border

The CSS property to change the border of an element to Yxy 17.1316, 0.3696, 0.1810 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(212, 0, 176) }
```

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

```
.border{ border-color:rgb(212, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(212, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1316, 0.3696, 0.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 0, 176) }
```

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

```
.background{ background-color: rgb(212, 0,  
176) }
```

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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