

Converting Colors

$Yxy(16.8367, 0.3703, 0.1798)$

Have a look what the booklet for
Yxy(16.8367, 0.3703, 0.1798)
contains.

Yxy(16.9440, 0.3699, 0.1811)	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(16.9440, 0.3699, 0.1811)

Conversions

Conversions Part 1

Format	Color
Hex	D300AF
RGB	211, 0, 175
RGB Percent	83%, 0%, 69%
CMY	0.1724, 1.0000, 0.3137
CMYK	0.00, 1.00, 0.17, 0.17
HSL	310°, 100%, 41%
HSV	310°, 100%, 83%
XYZ	34.6084, 16.9440, 42.0091
YIQ	83.0390, 69.5810, 99.1570

Conversions

Conversions Part 2

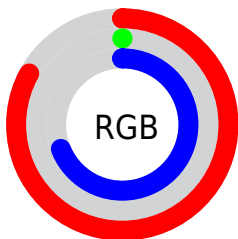
Format	Color
R_{YB}	211, 0, 175
Decimal	13828271
CIE _{Lab}	48.19, 80.36, -34.93
CIE _{LCh}	48, 87.624, 336.509
Yxy	16.9440, 0.3699, 0.1811
Android (android.graphics.Color)	4292018351 (0xFFD300AF)
YUV	83.0390, 45.3368, 112.2218
Hunter-Lab	41.1631, 78.0409, -31.6945

Details

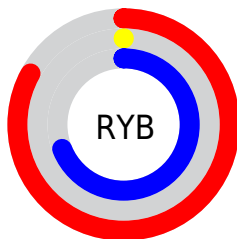
The Yxy color **16.9440, 0.3699, 0.1811** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **46.7299, 0.2960, 0.5856**, and the grayscale version is **8.5561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8582, 0.3431, 0.2008**, and **7.9845, 0.3754, 0.1842** is the 20% darker color. If you saturate the color by 10%, you get **16.9486, 0.3699, 0.1811**, and if you desaturate by 10%, it is **17.6321, 0.3638, 0.1820**.

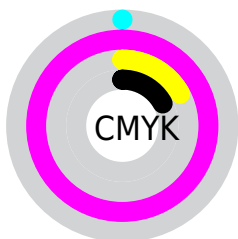
Distribution



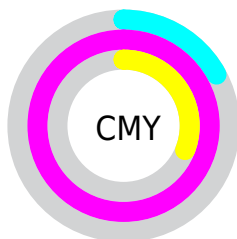
- Red (83%)
- Green (0%)
- Blue (69%)



- 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 16.9440, 0.3699, 0.1811 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 16.9440, 0.3699, 0.1811 by changing the saturation by 10% instead.


 16.9440, 0.3699,
0.1811


 16.9440, 0.3699,
0.1811


234.8495, 0.3419,
0.2554


 10.1946, 0.3764,
0.1631


 38.2295, 0.3600,
0.2078


 5.5282, 0.3843,
0.1406


 53.5343, 0.3562,
0.2180


 2.5604, 0.3939,
0.1123


 72.4597, 0.3529,
0.2266

 0.9068, 0.4049,
0.0767

 95.3901, 0.3501,
0.2340

 0.0000, 0.4305,
0.0000

 122.7099, 0.3477,
0.2404

 0.0000, 0.4136,
0.0000

 154.8035, 0.3455,

 0.0000, 0.0000,

0.2460

0.0000

192.0552, 0.3436,
0.2510

■ 16.9440, 0.3699,
0.1811

■ 16.9440, 0.3699,
0.1811

■ 16.9486, 0.3699,
0.1811

■ 17.6321, 0.3638,
0.1820

■ 18.9098, 0.3574,
0.1869

■ 20.9796, 0.3508,
0.1962

■ 23.9500, 0.3442,
0.2097

■ 27.9123, 0.3378,
0.2266

■ 32.9468, 0.3317,
0.2459

■ 39.1255, 0.3261,
0.2665

■ 46.5141, 0.3210,
0.2877

■ 55.1734, 0.3166,
0.3087

Harmonies

Analogous

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



16.9440, 0.2166, 0.1358



16.9440, 0.3699, 0.1811



16.9440, 0.5425, 0.2512

Triad

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



16.9440, 0.3699, 0.1811



16.9440, 0.4600, 0.5400



16.9440, 0.0810, 0.2058

Complementary

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



16.9440, 0.3699, 0.1811



46.7299, 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.



16.9440, 0.1127, 0.3683



16.9440, 0.3699, 0.1811



16.9440, 0.3256, 0.6409

Square

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



16.9440, 0.3699, 0.1811



16.9440, 0.5731, 0.4221



16.9440, 0.2011, 0.5922



16.9440, 0.0876, 0.1382

Rectangle

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



16.9440, 0.3699, 0.1811



16.9440, 0.6082, 0.3027



16.9440, 0.2011, 0.5922



16.9440, 0.0864, 0.2470

Sweetspot

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



16.9486, 0.3699, 0.1811



59.7075, 0.3263, 0.2658



5.0649, 0.1567, 0.0637



11.8729, 0.3286, 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.



16.9486, 0.3699, 0.1811



25.9871, 0.3705, 0.1815



14.2995, 0.5663, 0.2893



11.9730, 0.3163, 0.3099



10.2387, 0.3690, 0.1807



0.5819, 0.3587, 0.1750

Inverse Universe

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



16.9486, 0.3699, 0.1811



25.9871, 0.3705, 0.1815



48.5162, 0.2563, 0.4428



11.9730, 0.3163, 0.3099



10.2387, 0.3690, 0.1807



0.5819, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 16.9440, 0.3699, 0.1811 looks on a white background.

Color Contrast Check

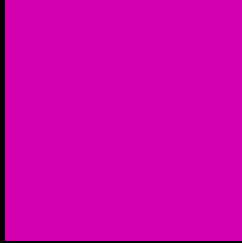
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9440, 0.3699, 0.1811 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 16.9440, 0.3699, 0.1811

Background



This preview shows how black text looks on a background with the Yxy color 16.9440, 0.3699, 0.1811.



This preview shows how white text looks on a background with the Yxy color 16.9440, 0.3699, 0.1811.

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

16.9440, 0.3699, 0.1811

Protanopia

17.8203, 0.1735, 0.1447

Deuteranopia

17.5945, 0.2458, 0.2406



Tritanopia

17.2938, 0.5208, 0.3253

Trichromacy



Original Color

16.9440, 0.3699, 0.1811



Protanomaly

11.0421, 0.1866, 0.1163



Deuteranomaly

13.1677, 0.2817, 0.1830



Tritanomaly

15.9063, 0.4729, 0.2603

Monochromacy



Original Color

16.9440, 0.3699, 0.1811



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.5530, 0.3439, 0.2158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9440, 0.3699, 0.1811 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(211, 0, 175)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 175)  
}
```

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(211, 0, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 175) }
```

Border

The CSS property to change the border of an element to Yxy 16.9440, 0.3699, 0.1811 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(211, 0, 175) }
```

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

```
.border{ border-color:rgb(211, 0, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 175);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9440, 0.3699, 0.1811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 175) }
```

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

```
.background{ background-color: rgb(211, 0,  
175) }
```

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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