

Converting Colors

$Yxy(15.1403, 0.3828, 0.1728)$

Have a look what the booklet for
Yxy(15.1403, 0.3828, 0.1728)
contains.

Yxy(16.8993, 0.3790, 0.1861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8993, 0.3790, 0.1861)

Conversions

Conversions Part 1

Format	Color
Hex	D400AA
RGB	212, 0, 170
RGB Percent	83%, 0%, 67%
CMY	0.1685, 1.0000, 0.3332
CMYK	0.00, 1.00, 0.20, 0.17
HSL	312°, 100%, 42%
HSV	312°, 100%, 83%
XYZ	34.4161, 16.8993, 39.4922
YIQ	82.7680, 71.7820, 97.8140

Conversions

Conversions Part 2

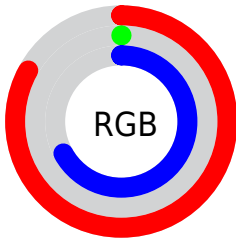
Format	Color
R _Y B	212, 0, 170
Decimal	13893802
CIE Lab	48.13, 79.94, -32.06
CIE LCh	48, 86.131, 338.149
Yxy	16.8993, 0.3790, 0.1861
Android (android.graphics.Color)	4292083882 (0xFFD400AA)
YUV	82.7680, 43.0054, 113.3365
Hunter-Lab	41.1088, 77.4992, -28.1824

Details

The Yxy color **16.8993, 0.3790, 0.1861** 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 **47.2705, 0.2949, 0.5815**, and the grayscale version is **8.5038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5797, 0.3484, 0.2046**, and **7.9598, 0.3881, 0.1912** is the 20% darker color. If you saturate the color by 10%, you get **16.9053, 0.3790, 0.1861**, and if you desaturate by 10%, it is **17.6107, 0.3717, 0.1865**.

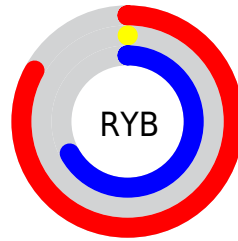
Distribution



Red (83%)

Green (0%)

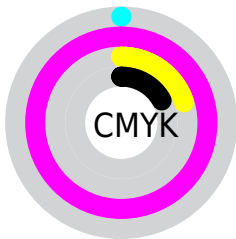
Blue (67%)



Red (83%)

Yellow (0%)

Blue (67%)

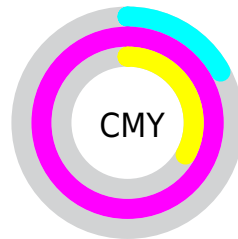


Cyan (0%)

Magenta (100%)

Yellow (20%)

Black (17%)



Cyan (17%)


Magenta (100%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8993, 0.3790, 0.1861 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 16.8993, 0.3790, 0.1861 by changing the saturation by 10% instead.


 16.8993, 0.3790,
0.1861


 16.8993, 0.3790,
0.1861


234.5914, 0.3455,
0.2585


 10.1627, 0.3872,
0.1683


 38.1526, 0.3669,
0.2123


 5.5070, 0.3976,
0.1460


 53.4380, 0.3623,
0.2222

 2.5477, 0.4107,
0.1175


 72.3419, 0.3584,
0.2306

 0.9004, 0.4274,
0.0813

 95.2486, 0.3551,
0.2378

 0.0000, 0.4650,
0.0000

 122.5425, 0.3522,
0.2440

 0.0000, 0.4644,
0.0000

 154.6080, 0.3497,

 0.0000, 0.0000,

0.2494

0.0000

191.8295, 0.3474,
0.2542

■ 16.8993, 0.3790,
0.1861

■ 16.8993, 0.3790,
0.1861

■ 16.9053, 0.3790,
0.1861

■ 17.6107, 0.3717,
0.1865

■ 18.9185, 0.3641,
0.1909

■ 21.0284, 0.3563,
0.1999

■ 24.0501, 0.3486,
0.2131

■ 28.0763, 0.3411,
0.2295

■ 33.1880, 0.3341,
0.2483

■ 39.4582, 0.3277,
0.2684

■ 46.9534, 0.3220,
0.2890

■ 55.7350, 0.3170,
0.3094

Harmonies

Analogous

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



16.8993, 0.2245, 0.1393



16.8993, 0.3790, 0.1861



16.8993, 0.5465, 0.2567

Triad

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



16.8993, 0.3790, 0.1861



16.8993, 0.4536, 0.5464



16.8993, 0.0827, 0.2021

Complementary

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



16.8993, 0.3790, 0.1861



47.2705, 0.2949, 0.5815

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.



16.8993, 0.1121, 0.3565



16.8993, 0.3790, 0.1861



16.8993, 0.3201, 0.6395

Square

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



16.8993, 0.3790, 0.1861



16.8993, 0.5661, 0.4285



16.8993, 0.1972, 0.5776



16.8993, 0.0909, 0.1384

Rectangle

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



16.8993, 0.3790, 0.1861



16.8993, 0.6068, 0.3082



16.8993, 0.1972, 0.5776



16.8993, 0.0874, 0.2411

Sweetspot

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



16.9053, 0.3790, 0.1861



59.5822, 0.3279, 0.2678



5.1840, 0.1579, 0.0644



11.8427, 0.3305, 0.2591



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.



16.9053, 0.3790, 0.1861



25.6429, 0.3797, 0.1865



14.4089, 0.5725, 0.2928



12.5886, 0.3168, 0.3105



10.4474, 0.3780, 0.1856



0.6411, 0.3663, 0.1792

Inverse Universe

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



16.9053, 0.3790, 0.1861



25.6429, 0.3797, 0.1865



49.1442, 0.2547, 0.4368



12.5886, 0.3168, 0.3105



10.4474, 0.3780, 0.1856



0.6411, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 16.8993, 0.3790, 0.1861 looks on a white background.

Color Contrast Check

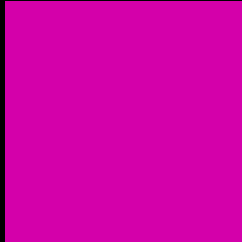
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8993, 0.3790, 0.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

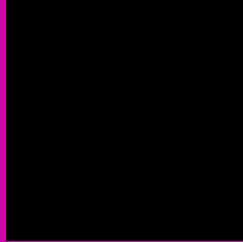
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8993, 0.3790, 0.1861

Background



This preview shows how black text looks on a background with the Yxy color 16.8993, 0.3790, 0.1861.



This preview shows how white text looks on a background with the Yxy color 16.8993, 0.3790, 0.1861.

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

16.8993, 0.3790, 0.1861

Protanopia

17.8203, 0.1735, 0.1447

Deuteranopia

17.6482, 0.2537, 0.2490



Tritanopia

17.3066, 0.5274, 0.3255

Trichromacy



Original Color

16.8993, 0.3790, 0.1861



Protanomaly

10.9393, 0.1872, 0.1174



Deuteranomaly

13.2491, 0.2915, 0.1901



Tritanomaly

16.0547, 0.4813, 0.2642

Monochromacy



Original Color

16.8993, 0.3790, 0.1861



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.5298, 0.3458, 0.2173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8993, 0.3790, 0.1861 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(212, 0, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 0, 170) }
```

Border

The CSS property to change the border of an element to Yxy 16.8993, 0.3790, 0.1861 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, 170) }
```

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

```
.border{ border-color:rgb(212, 0, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(212, 0,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8993, 0.3790, 0.1861 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, 170) }
```

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

```
.background{ background-color: rgb(212, 0,  
170) }
```

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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