

Converting Colors

$Y_{xy}(16.8589, 0.3985, 0.1969)$

Have a look what the booklet for
Yxy(16.8589, 0.3985, 0.1969)
contains.

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Color

Yxy(16.8342, 0.3980, 0.1966)

Conversions

Conversions Part 1

Format	Color
Hex	D600A0
RGB	214, 0, 160
RGB Percent	84%, 0%, 63%
CMY	0.1607, 1.0000, 0.3725
CMYK	0.00, 1.00, 0.25, 0.16
HSL	315°, 100%, 42%
HSV	315°, 100%, 84%
XYZ	34.0794, 16.8342, 34.7130
YIQ	82.2260, 76.1840, 95.1280

Conversions

Conversions Part 2

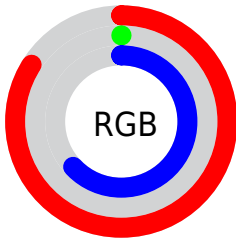
Format	Color
R_{YB}	214, 0, 160
Decimal	14024864
CIE _{Lab}	48.05, 79.13, -26.20
CIE _{LCh}	48, 83.356, 341.683
Yxy	16.8342, 0.3980, 0.1966
Android (android.graphics.Color)	4292214944 (0xFFD600A0)
YUV	82.2260, 38.3426, 115.5658
Hunter-Lab	41.0295, 76.4618, -21.4417

Details

The Yxy color **16.8342, 0.3980, 0.1966** 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 **48.3652, 0.2921, 0.5717**, and the grayscale version is **8.3963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8206, 0.3607, 0.2128**, and **7.9527, 0.4126, 0.2046** is the 20% darker color. If you saturate the color by 10%, you get **16.8361, 0.3980, 0.1966**, and if you desaturate by 10%, it is **17.5804, 0.3881, 0.1958**.

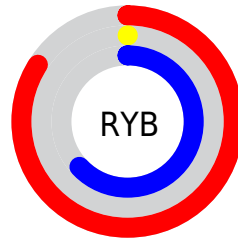
Distribution



Red (84%)

Green (0%)

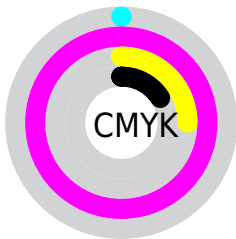
Blue (63%)



Red (84%)

Yellow (0%)

Blue (63%)

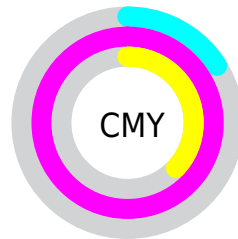


Cyan (0%)

Magenta (100%)

Yellow (25%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8342, 0.3980, 0.1966 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 16.8342, 0.3980, 0.1966 by changing the saturation by 10% instead.


 16.8342, 0.3980,
0.1966

 16.8342, 0.3980,
0.1966


234.2151, 0.3528,
0.2648


 10.1164, 0.4099,
0.1794


 38.0405, 0.3811,
0.2216


 5.4762, 0.4255,
0.1574


 53.2977, 0.3748,
0.2310


 2.5293, 0.4467,
0.1289


 72.1702, 0.3697,
0.2389

 0.8912, 0.4763,
0.0914

 95.0423, 0.3653,
0.2456

 0.0000, 0.5430,
0.0000

 122.2985, 0.3615,
0.2514

 0.0000, 0.6329,
0.0000

 154.3231, 0.3582,

 0.0000, 0.0000,

0.2564

0.0000

191.5005, 0.3554,
0.2609

■ 16.8342, 0.3980,
0.1966

■ 16.8342, 0.3980,
0.1966

■ 16.8361, 0.3980,
0.1966

■ 17.5804, 0.3881,
0.1958

■ 18.9441, 0.3779,
0.1993

■ 21.1304, 0.3676,
0.2075

■ 24.2516, 0.3574,
0.2198

■ 28.4026, 0.3478,
0.2354

■ 33.6664, 0.3389,
0.2532

■ 40.1177, 0.3310,
0.2722

■ 47.8245, 0.3240,
0.2916

■ 56.8498, 0.3179,
0.3106

Harmonies

Analogous

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



16.8342, 0.2417, 0.1469



16.8342, 0.3980, 0.1966



16.8342, 0.5544, 0.2681

Triad

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



16.8342, 0.3980, 0.1966



16.8342, 0.4390, 0.5582



16.8342, 0.0861, 0.1949

Complementary

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



16.8342, 0.3980, 0.1966



48.3652, 0.2921, 0.5717

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.



16.8342, 0.1107, 0.3333



16.8342, 0.3980, 0.1966



16.8342, 0.3079, 0.6347

Square

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



16.8342, 0.3980, 0.1966



16.8342, 0.5513, 0.4419



16.8342, 0.1887, 0.5470



16.8342, 0.0977, 0.1387

Rectangle

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



16.8342, 0.3980, 0.1966



16.8342, 0.6036, 0.3198



16.8342, 0.1887, 0.5470



16.8342, 0.0895, 0.2296

Sweetspot

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



16.8361, 0.3980, 0.1966



59.3385, 0.3312, 0.2716



5.6262, 0.1638, 0.0676



11.7840, 0.3345, 0.2634



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.



16.8361, 0.3980, 0.1966



25.0062, 0.3989, 0.1971



14.5595, 0.5953, 0.3053



12.5767, 0.3176, 0.3117



10.1927, 0.3966, 0.1958



0.6277, 0.3807, 0.1871

Inverse Universe

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



16.8361, 0.3980, 0.1966



25.0062, 0.3989, 0.1971



50.6547, 0.2480, 0.4126



12.5767, 0.3176, 0.3117



10.1927, 0.3966, 0.1958



0.6277, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 16.8342, 0.3980, 0.1966 looks on a white background.

Color Contrast Check

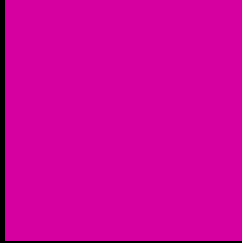
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8342, 0.3980, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

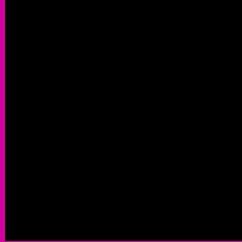
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8342, 0.3980, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 16.8342, 0.3980, 0.1966.



This preview shows how white text looks on a background with the Yxy color 16.8342, 0.3980, 0.1966.

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

16.8342, 0.3980, 0.1966

Protanopia

17.6923, 0.1829, 0.1560

Deuteranopia

17.4878, 0.2677, 0.2626



Tritanopia

17.2138, 0.5409, 0.3267

Trichromacy



Original Color

16.8342, 0.3980, 0.1966



Protanomaly

11.8824, 0.2141, 0.1340



Deuteranomaly

13.3012, 0.3086, 0.2027



Tritanomaly

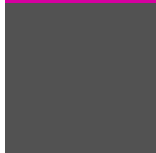
16.1393, 0.4991, 0.2718

Monochromacy



Original Color

16.8342, 0.3980, 0.1966



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.3276, 0.3558, 0.2236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8342, 0.3980, 0.1966 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(214, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 160)  
}
```

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(214, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 160) }
```

Border

The CSS property to change the border of an element to Yxy 16.8342, 0.3980, 0.1966 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(214, 0, 160) }
```

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

```
.border{ border-color:rgb(214, 0, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8342, 0.3980, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 160) }
```

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

```
.background{ background-color: rgb(214, 0,  
160) }
```

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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