

Converting Colors

$Yxy(16.7945, 0.4109, 0.2030)$

Have a look what the booklet for
Yxy(16.7945, 0.4109, 0.2030)
contains.

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Color

Yxy(16.9320, 0.4109, 0.2037)

Conversions

Conversions Part 1

Format	Color
Hex	D8009A
RGB	216, 0, 154
RGB Percent	85%, 0%, 60%
CMY	0.1529, 1.0000, 0.3961
CMYK	0.00, 1.00, 0.29, 0.15
HSL	317°, 100%, 42%
HSV	317°, 100%, 85%
XYZ	34.1549, 16.9320, 32.0353
YIQ	82.1400, 79.3020, 93.6860

Conversions

Conversions Part 2

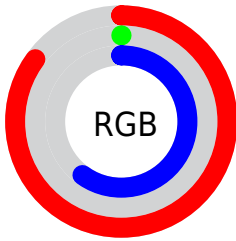
Format	Color
R _Y B	216, 0, 154
Decimal	14155930
CIE Lab	48.17, 78.86, -22.38
CIE LCh	48, 81.974, 344.160
Yxy	16.9320, 0.4109, 0.2037
Android (android.graphics.Color)	4292346010 (0xFFD8009A)
YUV	82.1400, 35.4270, 117.3952
Hunter-Lab	41.1485, 76.1523, -17.3550

Details

The Yxy color **16.9320, 0.4109, 0.2037** 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 **49.4693, 0.2901, 0.5643**, and the grayscale version is **8.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6922, 0.3675, 0.2185**, and **8.0472, 0.4282, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **16.9345, 0.4109, 0.2037**, and if you desaturate by 10%, it is **17.7053, 0.3992, 0.2021**.

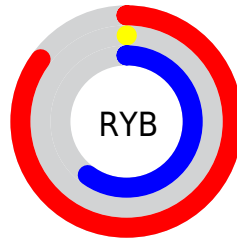
Distribution



Red (85%)

Green (0%)

Blue (60%)



Red (85%)

Yellow (0%)

Blue (60%)

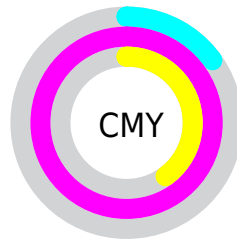


Cyan (0%)

Magenta (100%)

Yellow (29%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9320, 0.4109, 0.2037 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 16.9320, 0.4109, 0.2037 by changing the saturation by 10% instead.


 16.9320, 0.4109,
0.2037


 16.9320, 0.4109,
0.2037


234.7802, 0.3579,
0.2689


 10.1860, 0.4254,
0.1869


 38.2088, 0.3907,
0.2279


 5.5225, 0.4446,
0.1654


 53.5085, 0.3834,
0.2368


 2.5570, 0.4712,
0.1370


 72.4281, 0.3773,
0.2443


 0.9051, 0.5100,
0.0989

 95.3521, 0.3722,
0.2507

 0.0000, 0.5989,
0.0000

 122.6650, 0.3678,
0.2562

 0.0000, 0.8306,
0.0000

 154.7510, 0.3641,

 0.0000, 0.0000,

0.2610

0.0000

191.9946, 0.3608,
0.2652

■ 16.9320, 0.4109,
0.2037

■ 16.9320, 0.4109,
0.2037

■ 16.9345, 0.4109,
0.2037

■ 17.7053, 0.3992,
0.2021

■ 19.1121, 0.3872,
0.2049

■ 21.3617, 0.3751,
0.2125

■ 24.5692, 0.3633,
0.2243

■ 28.8318, 0.3522,
0.2393

■ 34.2345, 0.3421,
0.2564

■ 40.8536, 0.3331,
0.2747

■ 48.7590, 0.3252,
0.2932

■ 58.0150, 0.3185,
0.3115

Harmonies

Analogous

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



16.9320, 0.2536, 0.1520



16.9320, 0.4109, 0.2037



16.9320, 0.5593, 0.2758

Triad

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



16.9320, 0.4109, 0.2037



16.9320, 0.4277, 0.5640



16.9320, 0.0882, 0.1902

Complementary

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



16.9320, 0.4109, 0.2037



49.4693, 0.2901, 0.5643

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.



16.9320, 0.1096, 0.3186



16.9320, 0.4109, 0.2037



16.9320, 0.2993, 0.6302

Square

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



16.9320, 0.4109, 0.2037



16.9320, 0.5412, 0.4509



16.9320, 0.1828, 0.5263



16.9320, 0.1024, 0.1387

Rectangle

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



16.9320, 0.4109, 0.2037



16.9320, 0.6013, 0.3276



16.9320, 0.1828, 0.5263



16.9320, 0.0908, 0.2222

Sweetspot

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



16.9345, 0.4109, 0.2037



59.1852, 0.3334, 0.2741



5.9575, 0.1673, 0.0695



11.7472, 0.3371, 0.2663



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.



16.9345, 0.4109, 0.2037



24.6282, 0.4119, 0.2043



14.8054, 0.6052, 0.3107



12.5691, 0.3181, 0.3125



10.0411, 0.4092, 0.2028



0.6196, 0.3904, 0.1924

Inverse Universe

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



16.9345, 0.4109, 0.2037



24.6282, 0.4119, 0.2043



51.9938, 0.2447, 0.4008



12.5691, 0.3181, 0.3125



10.0411, 0.4092, 0.2028



0.6196, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 16.9320, 0.4109, 0.2037 looks on a white background.

Color Contrast Check

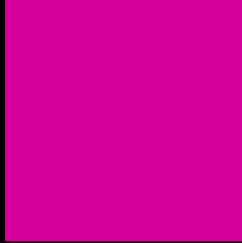
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9320, 0.4109, 0.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

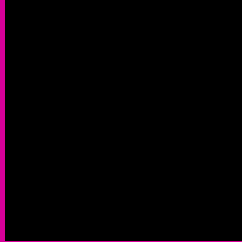
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9320, 0.4109, 0.2037

Background



This preview shows how black text looks on a background with the Yxy color 16.9320, 0.4109, 0.2037.



This preview shows how white text looks on a background with the Yxy color 16.9320, 0.4109, 0.2037.

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

16.9320, 0.4109, 0.2037

Protanopia

17.8545, 0.1902, 0.1657

Deuteranopia

17.6257, 0.2791, 0.2735



Tritanopia

17.4093, 0.5478, 0.3269

Trichromacy



Original Color

16.9320, 0.4109, 0.2037



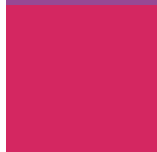
Protanomaly

12.2879, 0.2289, 0.1452



Deuteranomaly

13.4825, 0.3226, 0.2123



Tritanomaly

16.3112, 0.5072, 0.2754

Monochromacy



Original Color

16.9320, 0.4109, 0.2037



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.3640, 0.3617, 0.2275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9320, 0.4109, 0.2037 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(216, 0, 154)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 154)  
}
```

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(216, 0, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 154) }
```

Border

The CSS property to change the border of an element to Yxy 16.9320, 0.4109, 0.2037 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(216, 0, 154) }
```

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

```
.border{ border-color:rgb(216, 0, 154) }
```

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

Here you see how a box with a 4 pixel rgb(216, 0, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 154);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9320, 0.4109, 0.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 154) }
```

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

```
.background{ background-color: rgb(216, 0,  
154) }
```

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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