

Converting Colors

$Yxy(16.8667, 0.4729, 0.2389)$

Have a look what the booklet for
Yxy(16.8667, 0.4729, 0.2389)
contains.

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Color

Yxy(16.8890, 0.4739, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	DD047B
RGB	221, 4, 123
RGB Percent	87%, 2%, 48%
CMY	0.1332, 0.9852, 0.5176
CMYK	0.00, 0.98, 0.44, 0.13
HSL	327°, 97%, 44%
HSV	327°, 98%, 87%
XYZ	33.4463, 16.8890, 20.2414
YIQ	82.4490, 91.1330, 83.0130

Conversions

Conversions Part 2

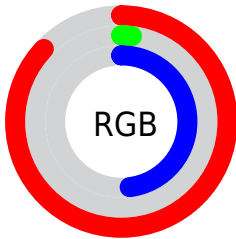
Format	Color
RYB	221, 4, 123
Decimal	14484603
CIELab	48.12, 76.62, -3.59
CIELCh	48, 76.704, 357.315
Yxy	16.8890, 0.4739, 0.2393
Android (android.graphics.Color)	4292674683 (0xFFDD047B)
YUV	82.4490, 19.9916, 121.5092
Hunter-Lab	41.0962, 73.3544, -0.4351

Details

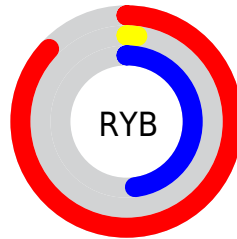
The Yxy color **16.8890, 0.4739, 0.2393** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **52.7111, 0.2769, 0.5157**, and the grayscale version is **8.4512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1838, 0.4098, 0.2494**, and **7.8789, 0.5054, 0.2558** is the 20% darker color. If you saturate the color by 10%, you get **16.7661, 0.4775, 0.2404**, and if you desaturate by 10%, it is **17.8039, 0.4528, 0.2341**.

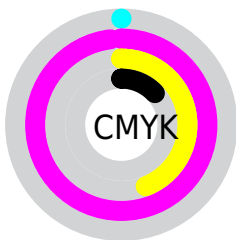
Distribution



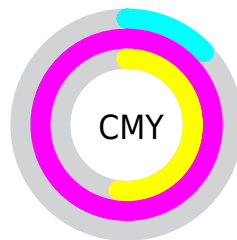
- Red (87%)
- Green (2%)
- Blue (48%)



- Red (87%)
- Yellow (2%)
- Blue (48%)



- Cyan (0%)
- Magenta (98%)
- Yellow (44%)
- Black (13%)




- Cyan (13%)
- Magenta (99%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8890, 0.4739, 0.2393 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 16.8890, 0.4739, 0.2393 by changing the saturation by 10% instead.


 16.8890, 0.4739,
0.2393


 16.8890, 0.4739,
0.2393


234.5319, 0.3820,
0.2897


 10.1554, 0.5010,
0.2248


 38.1348, 0.4375,
0.2590


 5.5021, 0.5383,
0.2051


 53.4158, 0.4248,
0.2660

 2.5448, 0.5924,
0.1771

 72.3147, 0.4144,
0.2717

 0.8990, 0.6752,
0.1356

 95.2160, 0.4057,
0.2765

 0.0000, 0.9877,
0.0000

 122.5039, 0.3984,
0.2805

 0.0000, 1.0000,
0.0000

 154.5630, 0.3921,

 0.0000, 0.0000,

0.2840

0.0000

191.7775, 0.3867,
0.2870

■ 16.8890, 0.4739,
0.2393

■ 16.8890, 0.4739,
0.2393

■ 16.7661, 0.4775,
0.2404

■ 17.8039, 0.4528,
0.2341

■ 19.4714, 0.4310,
0.2342

■ 22.0653, 0.4096,
0.2393

■ 25.7042, 0.3894,
0.2485

■ 30.4887, 0.3711,
0.2607

■ 36.5078, 0.3550,
0.2745

■ 43.8414, 0.3412,
0.2891

■ 52.5625, 0.3294,
0.3037

■ 62.7391, 0.3196,
0.3178

Harmonies

Analogous

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



16.8890, 0.3179, 0.1782



16.8890, 0.4739, 0.2393



16.8890, 0.5779, 0.3139

Triad

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



16.8890, 0.4739, 0.2393



16.8890, 0.3731, 0.5907



16.8890, 0.0988, 0.1692

Complementary

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



16.8890, 0.4739, 0.2393



52.7111, 0.2769, 0.5157

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.



16.8890, 0.1042, 0.2563



16.8890, 0.4739, 0.2393



16.8890, 0.2526, 0.5903

Square

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



16.8890, 0.4739, 0.2393



16.8890, 0.4905, 0.4965



16.8890, 0.1530, 0.4264



16.8890, 0.1270, 0.1389

Rectangle

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



16.8890, 0.4739, 0.2393



16.8890, 0.5856, 0.3673



16.8890, 0.1530, 0.4264



16.8890, 0.0967, 0.1902

Sweetspot

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



16.8900, 0.4739, 0.2393



59.5826, 0.3424, 0.2877



8.1019, 0.1937, 0.0847



11.7872, 0.3482, 0.2814



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.



16.8900, 0.4739, 0.2393



23.1523, 0.4790, 0.2413



15.4929, 0.6333, 0.3276



13.1705, 0.3206, 0.3162



9.7593, 0.4744, 0.2387



0.6495, 0.4426, 0.2212

Inverse Universe

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



16.8900, 0.4739, 0.2393



23.1523, 0.4790, 0.2413



56.4178, 0.2291, 0.3441



13.1705, 0.3206, 0.3162



9.7593, 0.4744, 0.2387



0.6495, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 16.8890, 0.4739, 0.2393 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 16.8890, 0.4739, 0.2393 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 16.8890, 0.4739, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 16.8890, 0.4739, 0.2393.



This preview shows how white text looks on a background with the Yxy color 16.8890, 0.4739, 0.2393.

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

16.8890, 0.4739, 0.2393

Protanopia

17.5886, 0.2316, 0.2194

Deuteranopia

17.3924, 0.3317, 0.3253



Tritanopia

17.1786, 0.5802, 0.3291

Trichromacy



Original Color

16.8890, 0.4739, 0.2393



Protanomaly

12.9073, 0.2948, 0.1967



Deuteranomaly

13.7308, 0.3894, 0.2609



Tritanomaly

16.5290, 0.5508, 0.2956

Monochromacy



Original Color

16.8890, 0.4739, 0.2393



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.4879, 0.3880, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8890, 0.4739, 0.2393 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(221, 4, 123)` looks like.

```
.text, #text, p{  
    color:rgb(221, 4, 123)  
}
```

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(221, 4, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 4, 123) }
```

Border

The CSS property to change the border of an element to Yxy 16.8890, 0.4739, 0.2393 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(221, 4, 123) }
```

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

```
.border{ border-color:rgb(221, 4, 123) }
```

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

Here you see how a box with a 4 pixel rgb(221, 4, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 4, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 4, 123);  
box-shadow:4px 4px 4px 4px rgb(221, 4,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8890, 0.4739, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 4, 123) }
```

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

```
.background{ background-color: rgb(221, 4,  
123) }
```

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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