

Converting Colors

$Y_{xy}(16.8783, 0.4097, 0.2419)$

Have a look what the booklet for
Yxy(16.8783, 0.4097, 0.2419)
contains.

Yxy(16.8783, 0.4097, 0.2419)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8783, 0.4097, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	C33F86
RGB	195, 63, 134
RGB Percent	76%, 25%, 53%
CMY	0.2353, 0.7529, 0.4745
CMYK	0.00, 0.68, 0.31, 0.24
HSL	328°, 52%, 51%
HSV	328°, 68%, 76%
XYZ	28.5864, 16.8783, 24.3092
YIQ	110.5620, 55.8810, 50.0650

Conversions

Conversions Part 2

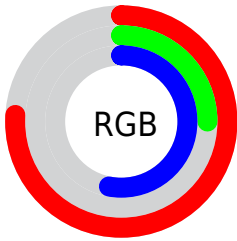
Format	Color
R _Y B	195, 63, 134
Decimal	12795782
CIE Lab	48.11, 58.68, -10.80
CIE LCh	48, 59.664, 349.570
Yxy	16.8783, 0.4097, 0.2419
Android (android.graphics.Color)	4290985862 (0xFFC33F86)
YUV	110.5620, 11.5549, 74.0521
Hunter-Lab	41.0832, 52.3076, -6.3241

Details

The Yxy color **16.8783, 0.4097, 0.2419** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **41.5413, 0.2725, 0.4491**, and the grayscale version is **15.7182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0415, 0.3885, 0.2602**, and **5.9585, 0.4449, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **14.8474, 0.4315, 0.2365**, and if you desaturate by 10%, it is **19.6970, 0.3893, 0.2512**.

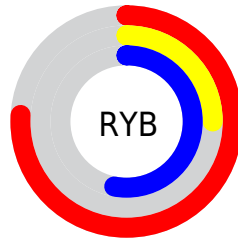
Distribution



Red (76%)

Green (25%)

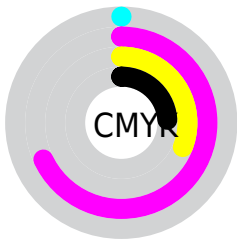
Blue (53%)



Red (76%)

Yellow (25%)

Blue (53%)

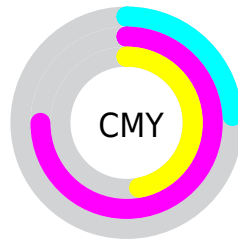


Cyan (0%)

Magenta (68%)

Yellow (31%)

Black (24%)



Cyan (24%)


Magenta (75%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8783, 0.4097, 0.2419 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 16.8783, 0.4097, 0.2419 by changing the saturation by 10% instead.


 16.8783, 0.4097,
0.2419


 16.8783, 0.4097,
0.2419

234.4701, 0.3549,
0.2897


 10.1478, 0.4258,
0.2285


 38.1164, 0.3881,
0.2603


 5.4970, 0.4483,
0.2104


 53.3928, 0.3805,
0.2669


 2.5417, 0.4813,
0.1849

 72.2865, 0.3743,
0.2724

 0.8975, 0.5340,
0.1467

 95.1821, 0.3691,
0.2769

 0.0000, 0.7111,
0.0000

 122.4638, 0.3647,
0.2808

 0.0000, 1.0000,
0.0000

154.5161, 0.3610,

 0.0000, 0.0000,

0.2842

0.0000

191.7234, 0.3577,
0.2871

■ 16.8783, 0.4097,
0.2419

■ 16.8783, 0.4097,
0.2419

■ 14.8474, 0.4315,
0.2365

■ 19.6970, 0.3893,
0.2512

■ 13.5161, 0.4538,
0.2361

■ 23.3740, 0.3708,
0.2632

■ 12.7608, 0.4755,
0.2407

■ 27.9747, 0.3546,
0.2768

■ 12.6196, 0.4806,
0.2421

■ 33.5577, 0.3407,
0.2910

■ 40.1765, 0.3290,
0.3052

■ 47.8807, 0.3191,
0.3189

■ 56.7168, 0.3110,
0.3319

■ 66.7285, 0.3042,
0.3441

■ 77.9572, 0.2985,
0.3553

Harmonies

Analogous

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



16.8783, 0.2897, 0.1931



16.8783, 0.4097, 0.2419



16.8783, 0.5089, 0.3072

Triad

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



16.8783, 0.4097, 0.2419



16.8783, 0.4019, 0.5297



16.8783, 0.1296, 0.2145

Complementary

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



16.8783, 0.4097, 0.2419



41.5413, 0.2725, 0.4491

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.



16.8783, 0.1468, 0.3055



16.8783, 0.4097, 0.2419



16.8783, 0.2992, 0.5395

Square

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



16.8783, 0.4097, 0.2419



16.8783, 0.4894, 0.4590



16.8783, 0.2051, 0.4417



16.8783, 0.1467, 0.1739

Rectangle

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



16.8783, 0.4097, 0.2419



16.8783, 0.5357, 0.3551



16.8783, 0.2051, 0.4417



16.8783, 0.1313, 0.2385

Sweetspot

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



16.8792, 0.4097, 0.2419



68.6657, 0.3319, 0.3015



11.6629, 0.2341, 0.1385



14.2818, 0.3352, 0.2975



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.



16.8792, 0.4097, 0.2419



25.3581, 0.4417, 0.2356



15.5949, 0.5246, 0.3224



10.1665, 0.3207, 0.3167



8.2194, 0.4778, 0.2406



0.3689, 0.4336, 0.2162

Inverse Universe

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



16.8792, 0.4097, 0.2419



25.3581, 0.4417, 0.2356



43.7343, 0.2378, 0.3389



10.1665, 0.3207, 0.3167



8.2194, 0.4778, 0.2406



0.3689, 0.4336, 0.2162

Previews

White Background



This preview shows how the Yxy color 16.8783, 0.4097, 0.2419 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 16.8783, 0.4097, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

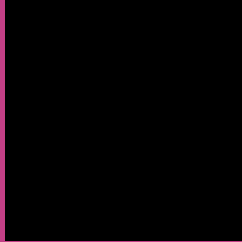
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8783, 0.4097, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 16.8783, 0.4097, 0.2419.



This preview shows how white text looks on a background with the Yxy color 16.8783, 0.4097, 0.2419.

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

16.8783, 0.4097, 0.2419

Protanopia

17.1616, 0.2387, 0.2290

Deuteranopia

17.1137, 0.3050, 0.3005



Tritanopia

16.8393, 0.4907, 0.3233

Trichromacy



Original Color

16.8783, 0.4097, 0.2419

Protanomaly

15.4903, 0.2862, 0.2261

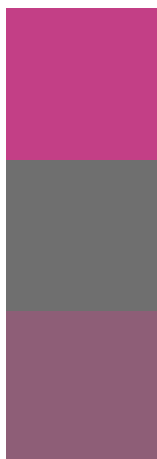
Deuteranomaly

15.8202, 0.3401, 0.2681

Tritanomaly

16.6330, 0.4628, 0.2928

Monochromacy



Original Color

16.8783, 0.4097, 0.2419

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.0881, 0.3490, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8783, 0.4097, 0.2419 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(195, 63, 134)` looks like.

```
.text, #text, p{  
    color:rgb(195, 63, 134)  
}
```

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(195, 63, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 63, 134) }
```

Border

The CSS property to change the border of an element to Yxy 16.8783, 0.4097, 0.2419 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(195, 63, 134) }
```

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

```
.border{ border-color:rgb(195, 63, 134) }
```

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

Here you see how a box with a 4 pixel rgb(195, 63, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 63, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 63, 134);  
box-shadow:4px 4px 4px 4px rgb(195, 63,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8783, 0.4097, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 63, 134) }
```

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

```
.background{ background-color: rgb(195, 63,  
134) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor