

# Converting Colors

$Y_{xy}(16.7382, 0.4177, 0.2371)$

Have a look what the booklet for  
Yxy(16.7382, 0.4177, 0.2371)  
contains.

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**Color**

**Yxy(16.7330, 0.4186, 0.2375)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C83786
RGB	200, 55, 134
RGB Percent	78%, 22%, 53%
CMY	0.2156, 0.7844, 0.4745
CMYK	0.00, 0.73, 0.33, 0.22
HSL	327°, 57%, 50%
HSV	327°, 73%, 78%
XYZ	29.4924, 16.7330, 24.2294
YIQ	107.3610, 61.0610, 55.3090

# Conversions

## Conversions Part 2

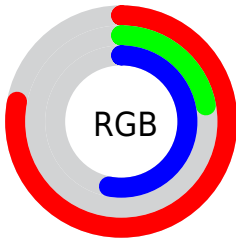
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 55, 134
Decimal	13121414
CIE Lab	47.92, 62.98, -10.99
CIE LCh	48, 63.927, 350.104
Yxy	16.7330, 0.4186, 0.2375
Android (android.graphics.Color)	4291311494 (0xFFC83786)
YUV	107.3610, 13.1330, 81.2444
Hunter-Lab	40.9060, 57.1092, -6.4844

# Details

The Yxy color **16.7330, 0.4186, 0.2375** 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 **43.5095, 0.2723, 0.4613**, and the grayscale version is **14.7568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8825, 0.3897, 0.2556**, and **6.3028, 0.4522, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **14.9609, 0.4404, 0.2343**, and if you desaturate by 10%, it is **19.2983, 0.3977, 0.2452**.

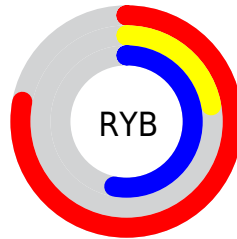
# Distribution



Red (78%)

Green (22%)

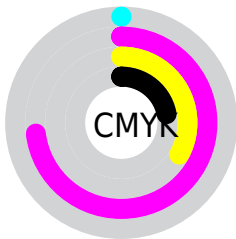
Blue (53%)



Red (78%)

Yellow (22%)

Blue (53%)

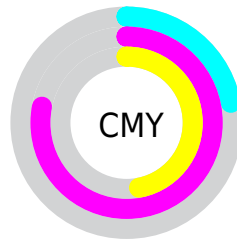


Cyan (0%)

Magenta (73%)

Yellow (33%)

Black (22%)



Cyan (22%)

Magenta (78%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7330, 0.4186, 0.2375 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 16.7330, 0.4186, 0.2375 by changing the saturation by 10% instead.





 16.7330, 0.4186,  
0.2375


 16.7330, 0.4186,  
0.2375


233.6290, 0.3588,  
0.2876


 10.0443, 0.4362,  
0.2235


 37.8661, 0.3950,  
0.2568


 5.4283, 0.4606,  
0.2047


 53.0794, 0.3867,  
0.2637


 2.5007, 0.4963,  
0.1783

 71.9029, 0.3799,  
0.2694

 0.8770, 0.5530,  
0.1392

 94.7212, 0.3743,  
0.2742

 0.0000, 0.7321,  
0.0000

 121.9185, 0.3695,  
0.2783

 0.0000, 1.0000,  
0.0000

153.8793, 0.3654,

 0.0000, 0.0000,

0.2818

0.0000

190.9880, 0.3619,  
0.2849

■ 16.7330, 0.4186,  
0.2375

■ 16.7330, 0.4186,  
0.2375

■ 14.9609, 0.4404,  
0.2343

■ 19.2983, 0.3977,  
0.2452

■ 13.8791, 0.4621,  
0.2364

■ 22.7378, 0.3786,  
0.2562

■ 13.3855, 0.4780,  
0.2407

■ 27.1250, 0.3615,  
0.2693

■ 32.5253, 0.3468,  
0.2835

■ 38.9979, 0.3342,  
0.2980

■ 46.5975, 0.3235,  
0.3122

■ 55.3752, 0.3147,  
0.3257

■ 65.3787, 0.3073,  
0.3385

■ 76.6532, 0.3013,  
0.3503

# Harmonies

## Analogous

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



16.7330, 0.2896, 0.1864



16.7330, 0.4186, 0.2375



16.7330, 0.5241, 0.3053

# Triad

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



16.7330, 0.4186, 0.2375



16.7330, 0.4018, 0.5425



16.7330, 0.1203, 0.2053

# Complementary

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



16.7330, 0.4186, 0.2375



43.5095, 0.2723, 0.4613

# 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.



16.7330, 0.1364, 0.3000



16.7330, 0.4186, 0.2375



16.7330, 0.2937, 0.5563

# Square

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



16.7330, 0.4186, 0.2375



16.7330, 0.4961, 0.4641



16.7330, 0.1956, 0.4482



16.7330, 0.1387, 0.1648



# Rectangle

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



16.7330, 0.4186, 0.2375



16.7330, 0.5504, 0.3547



16.7330, 0.1956, 0.4482



16.7330, 0.1216, 0.2298

# Sweetspot

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



16.7339, 0.4186, 0.2375



67.7439, 0.3339, 0.2982



10.9126, 0.2270, 0.1266



13.7973, 0.3372, 0.2943



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.



16.7339, 0.4186, 0.2375



24.6897, 0.4529, 0.2348



15.3631, 0.5475, 0.3227



10.7320, 0.3206, 0.3165



8.5275, 0.4752, 0.2392



0.4183, 0.4345, 0.2167



# Inverse Universe

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



16.7339, 0.4186, 0.2375



24.6897, 0.4529, 0.2348



45.9688, 0.2353, 0.3397



10.7320, 0.3206, 0.3165



8.5275, 0.4752, 0.2392



0.4183, 0.4345, 0.2167



# Previews

## White Background



This preview shows how the Yxy color 16.7330, 0.4186, 0.2375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

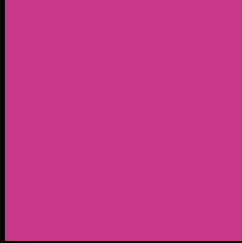
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 16.7330, 0.4186, 0.2375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

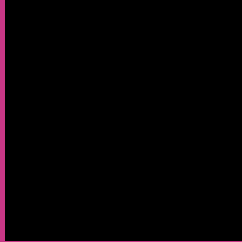
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 16.7330, 0.4186, 0.2375**

## Background



This preview shows how black text looks on a background with the Yxy color 16.7330, 0.4186, 0.2375.



This preview shows how white text looks on a background with the Yxy color 16.7330, 0.4186, 0.2375.

# 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

16.7330, 0.4186, 0.2375

### Protanopia

16.9715, 0.2322, 0.2196

### Deuteranopia

16.8683, 0.3062, 0.3004



## Tritanopia

16.7502, 0.5100, 0.3250

# Trichromacy



## Original Color

16.7330, 0.4186, 0.2375

## Protanomaly

14.8909, 0.2826, 0.2156

## Deuteranomaly

15.4567, 0.3450, 0.2654

## Tritanomaly

16.4954, 0.4796, 0.2927

# Monochromacy



## Original Color

16.7330, 0.4186, 0.2375

## Achromatopsia

14.7027, 0.3127, 0.3290

## Achromatomaly

13.9265, 0.3523, 0.2774

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 16.7330, 0.4186, 0.2375 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(200, 55, 134)` looks like.

```
.text, #text, p{  
    color:rgb(200, 55, 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(200, 55, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 55, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 16.7330, 0.4186, 0.2375 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(200, 55, 134) }
```

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

```
.border{ border-color:rgb(200, 55, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 55, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 55, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 55, 134);  
box-shadow:4px 4px 4px 4px rgb(200, 55,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 16.7330, 0.4186, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 55, 134) }
```

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

```
.background{ background-color: rgb(200, 55,  
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](#).

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