

Converting Colors

$Yxy(16.8345, 0.4082, 0.2320)$

Have a look what the booklet for
Yxy(16.8345, 0.4082, 0.2320)
contains.

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Color

Yxy(16.8345, 0.4082, 0.2320)

Conversions

Conversions Part 1

Format	Color
Hex	C7388B
RGB	199, 56, 139
RGB Percent	78%, 22%, 55%
CMY	0.2197, 0.7802, 0.4550
CMYK	0.00, 0.72, 0.30, 0.22
HSL	325°, 56%, 50%
HSV	325°, 72%, 78%
XYZ	29.6200, 16.8345, 26.1080
YIQ	108.2190, 58.5850, 56.1290

Conversions

Conversions Part 2

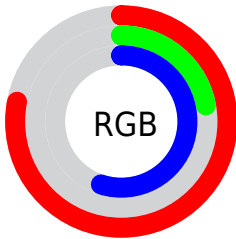
Format	Color
R_{YB}	199, 56, 139
Decimal	13056139
CIE _{Lab}	48.05, 62.91, -13.82
CIE _{LCh}	48, 64.408, 347.611
Yxy	16.8345, 0.4082, 0.2320
Android (android.graphics.Color)	4291246219 (0xFFC7388B)
YUV	108.2190, 15.1750, 79.6149
Hunter-Lab	41.0299, 57.0593, -9.0063

Details

The Yxy color **16.8345, 0.4082, 0.2320** 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 **42.9361, 0.2751, 0.4685**, and the grayscale version is **15.0119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1449, 0.3827, 0.2499**, and **6.3840, 0.4382, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **15.0380, 0.4278, 0.2277**, and if you desaturate by 10%, it is **19.4177, 0.3895, 0.2407**.

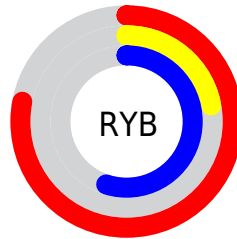
Distribution



Red (78%)

Green (22%)

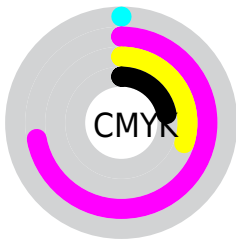
Blue (55%)



Red (78%)

Yellow (22%)

Blue (55%)

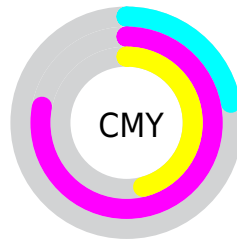


Cyan (0%)

Magenta (72%)

Yellow (30%)

Black (22%)



Cyan (22%)


Magenta (78%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8345, 0.4082, 0.2320 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 16.8345, 0.4082, 0.2320 by changing the saturation by 10% instead.


 16.8345, 0.4082,
0.2320

 16.8345, 0.4082,
0.2320


234.2168, 0.3548,
0.2845


 10.1166, 0.4237,
0.2176


 38.0410, 0.3873,
0.2520


 5.4763, 0.4449,
0.1984


 53.2984, 0.3799,
0.2593


 2.5294, 0.4758,
0.1717

 72.1710, 0.3738,
0.2653

 0.8913, 0.5241,
0.1329

 95.0433, 0.3688,
0.2703

 0.0000, 0.6619,
0.0000

 122.2996, 0.3645,
0.2747

 0.0000, 1.0000,
0.0000

154.3244, 0.3608,

 0.0000, 0.0000,

0.2784

0.0000

191.5020, 0.3576,
0.2817

■ 16.8345, 0.4082,
0.2320

■ 16.8345, 0.4082,
0.2320

■ 15.0380, 0.4278,
0.2277

■ 19.4177, 0.3895,
0.2407

■ 13.9282, 0.4473,
0.2285

■ 22.8663, 0.3722,
0.2526

■ 13.3859, 0.4630,
0.2324

■ 27.2526, 0.3568,
0.2667

■ 32.6402, 0.3434,
0.2817

■ 39.0872, 0.3319,
0.2971

■ 46.6474, 0.3222,
0.3121

■ 55.3706, 0.3140,
0.3265

■ 65.3039, 0.3073,
0.3400

■ 76.4915, 0.3016,
0.3525

Harmonies

Analogous

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



16.8345, 0.2797, 0.1826



16.8345, 0.4082, 0.2320



16.8345, 0.5191, 0.2990

Triad

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



16.8345, 0.4082, 0.2320



16.8345, 0.4106, 0.5381



16.8345, 0.1196, 0.2102

Complementary

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



16.8345, 0.4082, 0.2320



42.9361, 0.2751, 0.4685

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.



16.8345, 0.1388, 0.3106



16.8345, 0.4082, 0.2320



16.8345, 0.3024, 0.5611

Square

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



16.8345, 0.4082, 0.2320



16.8345, 0.5031, 0.4572



16.8345, 0.2019, 0.4615



16.8345, 0.1352, 0.1660

Rectangle

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



16.8345, 0.4082, 0.2320



16.8345, 0.5505, 0.3482



16.8345, 0.2019, 0.4615



16.8345, 0.1217, 0.2364

Sweetspot

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



16.8354, 0.4082, 0.2320



67.8560, 0.3324, 0.2963



10.6422, 0.2231, 0.1258



13.8238, 0.3354, 0.2921



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.



16.8354, 0.4082, 0.2320



25.1463, 0.4385, 0.2275



15.3888, 0.5366, 0.3176



10.7384, 0.3201, 0.3157



8.6284, 0.4606, 0.2311



0.4228, 0.4238, 0.2108

Inverse Universe

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



16.8354, 0.4082, 0.2320



25.1463, 0.4385, 0.2275



45.2644, 0.2379, 0.3470



10.7384, 0.3201, 0.3157



8.6284, 0.4606, 0.2311



0.4228, 0.4238, 0.2108

Previews

White Background



This preview shows how the Yxy color 16.8345, 0.4082, 0.2320 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 16.8345, 0.4082, 0.2320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

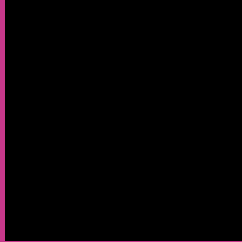
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8345, 0.4082, 0.2320

Background



This preview shows how black text looks on a background with the Yxy color 16.8345, 0.4082, 0.2320.



This preview shows how white text looks on a background with the Yxy color 16.8345, 0.4082, 0.2320.

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

16.8345, 0.4082, 0.2320

Protanopia

17.2792, 0.2261, 0.2128

Deuteranopia

17.0786, 0.2978, 0.2930



Tritanopia

16.7845, 0.5014, 0.3236

Trichromacy



Original Color

16.8345, 0.4082, 0.2320

Protanomaly

15.1167, 0.2738, 0.2088

Deuteranomaly

15.5786, 0.3347, 0.2586

Tritanomaly

16.6702, 0.4701, 0.2895

Monochromacy



Original Color

16.8345, 0.4082, 0.2320

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.1394, 0.3489, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8345, 0.4082, 0.2320 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(199, 56, 139)` looks like.

```
.text, #text, p{  
    color:rgb(199, 56, 139)  
}
```

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(199, 56, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 56, 139) }
```

Border

The CSS property to change the border of an element to Yxy 16.8345, 0.4082, 0.2320 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(199, 56, 139) }
```

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

```
.border{ border-color:rgb(199, 56, 139) }
```

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

Here you see how a box with a 4 pixel rgb(199, 56, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 56, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 56, 139);  
box-shadow:4px 4px 4px 4px rgb(199, 56,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8345, 0.4082, 0.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 56, 139) }
```

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

```
.background{ background-color: rgb(199, 56,  
139) }
```

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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