

Converting Colors

$Y_{xy}(18.5357, 0.4118, 0.2354)$

Have a look what the booklet for
Yxy(18.5357, 0.4118, 0.2354)
contains.

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Color

Yxy(18.4803, 0.4108, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	CF3C8F
RGB	207, 60, 143
RGB Percent	81%, 24%, 56%
CMY	0.1883, 0.7646, 0.4392
CMYK	0.00, 0.71, 0.31, 0.19
HSL	326°, 60%, 52%
HSV	326°, 71%, 81%
XYZ	32.3051, 18.4803, 27.8541
YIQ	113.4150, 60.9690, 56.9770

Conversions

Conversions Part 2

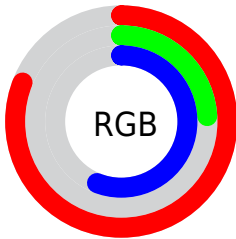
Format	Color
R_{YB}	207, 60, 143
Decimal	13581455
CIE _{Lab}	50.07, 64.14, -13.04
CIE _{LCh}	50, 65.450, 348.506
Yxy	18.4803, 0.4108, 0.2350
Android (android.graphics.Color)	4291771535 (0xFFCF3C8F)
YUV	113.4150, 14.5854, 82.0740
Hunter-Lab	42.9887, 58.9088, -8.3243

Details

The Yxy color **18.4803, 0.4108, 0.2350** 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 **47.0392, 0.2739, 0.4633**, and the grayscale version is **16.5876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4849, 0.3771, 0.2506**, and **7.0862, 0.4399, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **16.4576, 0.4313, 0.2307**, and if you desaturate by 10%, it is **21.3747, 0.3912, 0.2437**.

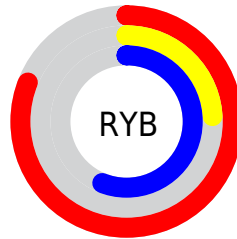
Distribution



Red (81%)

Green (24%)

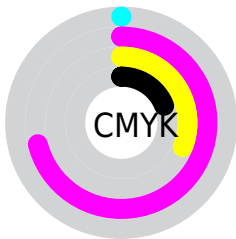
Blue (56%)



Red (81%)

Yellow (24%)

Blue (56%)

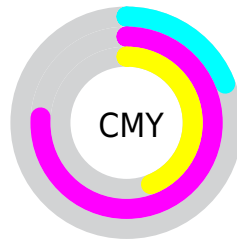


Cyan (0%)

Magenta (71%)

Yellow (31%)

Black (19%)



Cyan (19%)


Magenta (76%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4803, 0.4108, 0.2350 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 18.4803, 0.4108, 0.2350 by changing the saturation by 10% instead.


 18.4803, 0.4108,
0.2350


 18.4803, 0.4108,
0.2350


243.5645, 0.3565,
0.2854


 11.2954, 0.4263,
0.2214


 40.8541, 0.3897,
0.2541


 6.2659, 0.4474,
0.2033


 56.8117, 0.3822,
0.2610


 3.0074, 0.4778,
0.1784

 76.4623, 0.3760,
0.2668

 1.1356, 0.5246,
0.1424

 100.1903, 0.3708,
0.2717

 0.0081, 0.6604,
0.0030

 128.3802, 0.3664,
0.2759

 0.0000, 1.0000,
0.0000

161.4162, 0.3626,

 0.0000, 0.0000,

0.2795

0.0000

199.6829, 0.3593,
0.2826

■ 18.4803, 0.4108,
0.2350

■ 18.4803, 0.4108,
0.2350

■ 16.4576, 0.4313,
0.2307

■ 21.3747, 0.3912,
0.2437

■ 15.1977, 0.4519,
0.2316

■ 25.2268, 0.3733,
0.2555


■ 14.5461, 0.4700,
0.2363


■ 30.1154, 0.3573,
0.2693


■ 36.1102, 0.3435,
0.2841

■ 43.2748, 0.3317,
0.2990

 51.6682, 0.3218,
0.3137

 61.3451, 0.3135,
0.3276

 72.3570, 0.3066,
0.3407

 84.7525, 0.3009,
0.3529

Harmonies

Analogous

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



18.4803, 0.2837, 0.1853



18.4803, 0.4108, 0.2350



18.4803, 0.5184, 0.3019

Triad

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



18.4803, 0.4108, 0.2350



18.4803, 0.4071, 0.5376



18.4803, 0.1215, 0.2099

Complementary

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



18.4803, 0.4108, 0.2350



47.0392, 0.2739, 0.4633

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.



18.4803, 0.1397, 0.3073



18.4803, 0.4108, 0.2350



18.4803, 0.2999, 0.5562

Square

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



18.4803, 0.4108, 0.2350



18.4803, 0.4991, 0.4591



18.4803, 0.2011, 0.4549



18.4803, 0.1380, 0.1671

Rectangle

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



18.4803, 0.4108, 0.2350



18.4803, 0.5478, 0.3509



18.4803, 0.2011, 0.4549



18.4803, 0.1234, 0.2353

Sweetspot

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



18.4813, 0.4108, 0.2350



69.0519, 0.3320, 0.2987



12.0012, 0.2265, 0.1285



14.0543, 0.3351, 0.2945



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.



18.4813, 0.4108, 0.2350



25.2228, 0.4417, 0.2305



16.9377, 0.5376, 0.3201



11.9185, 0.3203, 0.3160



9.1846, 0.4674, 0.2349



0.5293, 0.4333, 0.2161

Inverse Universe

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



18.4813, 0.4108, 0.2350



25.2228, 0.4417, 0.2305



49.6241, 0.2370, 0.3432



11.9185, 0.3203, 0.3160



9.1846, 0.4674, 0.2349



0.5293, 0.4333, 0.2161

Previews

White Background



This preview shows how the Yxy color 18.4803, 0.4108, 0.2350 looks on a white 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

Black Background



This preview shows how the Yxy color 18.4803, 0.4108, 0.2350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

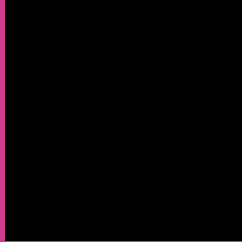
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4803, 0.4108, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 18.4803, 0.4108, 0.2350.



This preview shows how white text looks on a background with the Yxy color 18.4803, 0.4108, 0.2350.

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

18.4803, 0.4108, 0.2350

Protanopia

18.9044, 0.2299, 0.2178

Deuteranopia

18.7569, 0.3007, 0.2961



Tritanopia

18.4735, 0.5001, 0.3238

Trichromacy



Original Color

18.4803, 0.4108, 0.2350

Protanomaly

16.6482, 0.2773, 0.2139

Deuteranomaly

17.0707, 0.3382, 0.2612

Tritanomaly

18.3433, 0.4702, 0.2908

Monochromacy



Original Color

18.4803, 0.4108, 0.2350

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.6637, 0.3489, 0.2778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4803, 0.4108, 0.2350 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(207, 60, 143)` looks like.

```
.text, #text, p{  
    color:rgb(207, 60, 143)  
}
```

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(207, 60, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 60, 143) }
```

Border

The CSS property to change the border of an element to Yxy 18.4803, 0.4108, 0.2350 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(207, 60, 143) }
```

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

```
.border{ border-color:rgb(207, 60, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 60, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 60, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 60, 143);  
box-shadow:4px 4px 4px 4px rgb(207, 60,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4803, 0.4108, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 60, 143) }
```

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

```
.background{ background-color: rgb(207, 60,  
143) }
```

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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