

Converting Colors

$Yxy(16.4791, 0.4091, 0.2309)$

Have a look what the booklet for
Yxy(16.4791, 0.4091, 0.2309)
contains.

Yxy(16.4791, 0.4091, 0.2309)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.4791, 0.4091, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	C6368A
RGB	198, 54, 138
RGB Percent	78%, 21%, 54%
CMY	0.2235, 0.7882, 0.4588
CMYK	0.00, 0.73, 0.30, 0.22
HSL	325°, 57%, 49%
HSV	325°, 73%, 78%
XYZ	29.1971, 16.4791, 25.6928
YIQ	106.6320, 58.8600, 56.6520

Conversions

Conversions Part 2

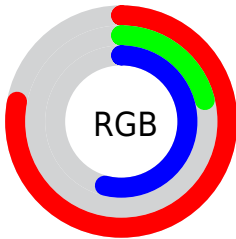
Format	Color
R_{YB}	198, 54, 138
Decimal	12990090
CIE _{Lab}	47.60, 63.24, -13.94
CIE _{LCh}	48, 64.761, 347.570
Yxy	16.4791, 0.4091, 0.2309
Android (android.graphics.Color)	4291180170 (0xFFC6368A)
YUV	106.6320, 15.4644, 80.1297
Hunter-Lab	40.5945, 57.3436, -9.1094

Details

The Yxy color **16.4791, 0.4091, 0.2309** 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 **42.3889, 0.2752, 0.4713**, and the grayscale version is **14.5406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8318, 0.3852, 0.2509**, and **6.2800, 0.4392, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **14.7672, 0.4285, 0.2270**, and if you desaturate by 10%, it is **18.9606, 0.3905, 0.2393**.

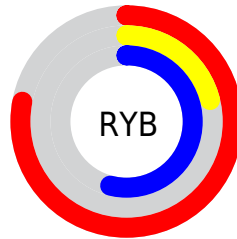
Distribution



Red (78%)

Green (21%)

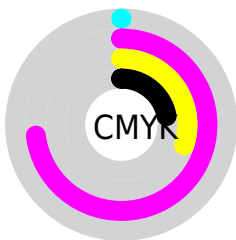
Blue (54%)



Red (78%)

Yellow (21%)

Blue (54%)

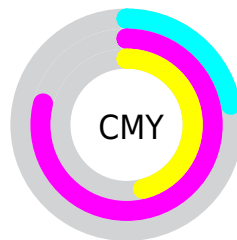


Cyan (0%)

Magenta (73%)

Yellow (30%)

Black (22%)



Cyan (22%)

Magenta (79%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4791, 0.4091, 0.2309 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 16.4791, 0.4091, 0.2309 by changing the saturation by 10% instead.


 16.4791, 0.4091,
0.2309


 16.4791, 0.4091,
0.2309


232.1524, 0.3551,
0.2841


 9.8638, 0.4248,
0.2163


 37.4280, 0.3879,
0.2512


 5.3088, 0.4464,
0.1967


 52.5303, 0.3804,
0.2586


 2.4295, 0.4779,
0.1696

 71.2305, 0.3743,
0.2647

 0.8410, 0.5273,
0.1299

 93.9129, 0.3692,
0.2698

 0.0000, 0.6676,
0.0000

 120.9619, 0.3648,
0.2742

 0.0000, 1.0000,
0.0000

152.7619, 0.3611,

 0.0000, 0.0000,

0.2779

0.0000

189.6973, 0.3579,
0.2812

■ 16.4791, 0.4091,
0.2309

■ 16.4791, 0.4091,
0.2309

■ 14.7672, 0.4285,
0.2270

■ 18.9606, 0.3905,
0.2393

■ 13.7245, 0.4478,
0.2282

■ 22.2909, 0.3732,
0.2511

■ 13.2562, 0.4617,
0.2317

■ 26.5417, 0.3578,
0.2650

■ 31.7768, 0.3443,
0.2801

■ 38.0540, 0.3327,
0.2955

■ 45.4267, 0.3229,
0.3107

■ 53.9445, 0.3147,
0.3252

■ 63.6541, 0.3079,
0.3388

■ 74.5995, 0.3022,
0.3516

Harmonies

Analogous

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



16.4791, 0.2790, 0.1812



16.4791, 0.4091, 0.2309



16.4791, 0.5215, 0.2983

Triad

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



16.4791, 0.4091, 0.2309



16.4791, 0.4110, 0.5399



16.4791, 0.1179, 0.2088

Complementary

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



16.4791, 0.4091, 0.2309



42.3889, 0.2752, 0.4713

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.



16.4791, 0.1371, 0.3102



16.4791, 0.4091, 0.2309



16.4791, 0.3019, 0.5644

Square

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



16.4791, 0.4091, 0.2309



16.4791, 0.5047, 0.4576



16.4791, 0.2006, 0.4636



16.4791, 0.1336, 0.1644

Rectangle

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



16.4791, 0.4091, 0.2309



16.4791, 0.5531, 0.3477



16.4791, 0.2006, 0.4636



16.4791, 0.1201, 0.2353

Sweetspot

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



16.4800, 0.4091, 0.2309



67.8661, 0.3323, 0.2961



10.1342, 0.2194, 0.1225



13.8262, 0.3353, 0.2919



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.



16.4800, 0.4091, 0.2309



24.9856, 0.4393, 0.2270



15.0668, 0.5367, 0.3151



10.7390, 0.3200, 0.3156



8.6378, 0.4593, 0.2304



0.4232, 0.4229, 0.2103

Inverse Universe

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



16.4800, 0.4091, 0.2309



24.9856, 0.4393, 0.2270



44.6184, 0.2386, 0.3511



10.7390, 0.3200, 0.3156



8.6378, 0.4593, 0.2304



0.4232, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 16.4791, 0.4091, 0.2309 looks on a white background.

Color Contrast Check

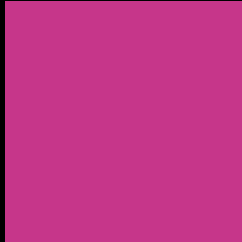
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4791, 0.4091, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

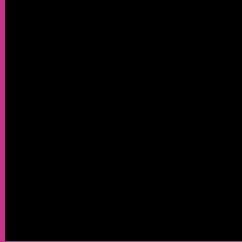
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.4791, 0.4091, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 16.4791, 0.4091, 0.2309.



This preview shows how white text looks on a background with the Yxy color 16.4791, 0.4091, 0.2309.

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

16.4791, 0.4091, 0.2309

Protanopia

16.9177, 0.2249, 0.2119

Deuteranopia

16.7625, 0.2977, 0.2927



Tritanopia

16.4940, 0.5044, 0.3248

Trichromacy



Original Color

16.4791, 0.4091, 0.2309



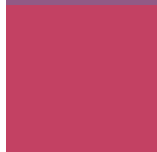
Protanomaly

14.7517, 0.2723, 0.2076



Deuteranomaly

15.1168, 0.3350, 0.2565



Tritanomaly

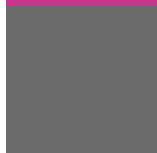
16.2835, 0.4719, 0.2883

Monochromacy



Original Color

16.4791, 0.4091, 0.2309



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.8629, 0.3492, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4791, 0.4091, 0.2309 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(198, 54, 138)` looks like.

```
.text, #text, p{  
    color:rgb(198, 54, 138)  
}
```

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(198, 54, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 54, 138) }
```

Border

The CSS property to change the border of an element to Yxy 16.4791, 0.4091, 0.2309 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(198, 54, 138) }
```

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

```
.border{ border-color:rgb(198, 54, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 54, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 54, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 54, 138);  
box-shadow:4px 4px 4px 4px rgb(198, 54,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4791, 0.4091, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 54, 138) }
```

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

```
.background{ background-color: rgb(198, 54,  
138) }
```

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