

Converting Colors

$Y_{xy}(13.8356, 0.4274, 0.2128)$

Have a look what the booklet for
Yxy(13.8356, 0.4274, 0.2128)
contains.

Yxy(13.8356, 0.4274, 0.2128)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8356, 0.4274, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	C70085
RGB	199, 0, 133
RGB Percent	78%, 0%, 52%
CMY	0.2196, 1.0000, 0.4785
CMYK	0.00, 1.00, 0.33, 0.22
HSL	320°, 100%, 39%
HSV	320°, 100%, 78%
XYZ	27.7882, 13.8356, 23.3931
YIQ	74.6630, 75.9110, 83.5510

Conversions

Conversions Part 2

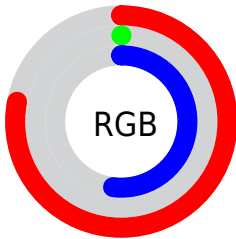
Format	Color
RYB	199, 0, 133
Decimal	13041797
CIELab	44.00, 73.25, -16.34
CIElCh	44, 75.049, 347.421
Yxy	13.8356, 0.4274, 0.2128
Android (android.graphics.Color)	4291231877 (0xFFC70085)
YUV	74.6630, 28.7601, 109.0435
Hunter-Lab	37.1962, 68.2588, -11.2507

Details

The Yxy color **13.8356, 0.4274, 0.2128** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **41.2448, 0.2868, 0.5526**, and the grayscale version is **6.9100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7846, 0.3966, 0.2352**, and **6.1135, 0.4515, 0.2261** is the 20% darker color. If you saturate the color by 10%, you get **13.8367, 0.4274, 0.2128**, and if you desaturate by 10%, it is **14.5217, 0.4133, 0.2105**.

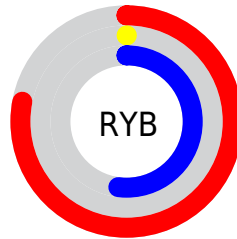
Distribution



Red (78%)

Green (0%)

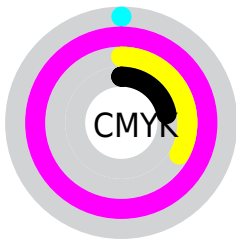
Blue (52%)



Red (78%)

Yellow (0%)

Blue (52%)

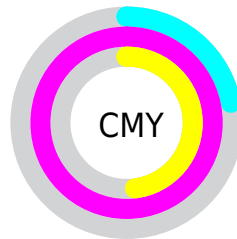


Cyan (0%)

Magenta (100%)

Yellow (33%)

Black (22%)



Cyan (22%)


Magenta (100%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8356, 0.4274, 0.2128 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 13.8356, 0.4274, 0.2128 by changing the saturation by 10% instead.


 13.8356, 0.4274,
0.2128


 13.8356, 0.4274,
0.2128


216.2057, 0.3623,
0.2762


 8.0064, 0.4466,
0.1953


 32.7970, 0.4016,
0.2371


 4.0991, 0.4732,
0.1721


 46.6981, 0.3926,
0.2459

 1.7291, 0.5121,
0.1401

 64.0585, 0.3852,
0.2531

 0.4424, 0.5803,
0.0833

 85.2628, 0.3791,
0.2592

 0.0000, 0.7408,
0.0000

 110.6952, 0.3739,
0.2644

 0.0000, 1.0000,
0.0000

 140.7403, 0.3695,

 0.0000, 0.0000,

0.2689

0.0000

175.7823, 0.3656,
0.2728

■ 13.8356, 0.4274,
0.2128

■ 13.8356, 0.4274,
0.2128

■ 13.8367, 0.4274,
0.2128

■ 14.5217, 0.4133,
0.2105

■ 15.7291, 0.3988,
0.2126

■ 17.6373, 0.3844,
0.2195

■ 20.3400, 0.3706,
0.2306

■ 23.9163, 0.3577,
0.2448

■ 28.4356, 0.3460,
0.2609

■ 33.9606, 0.3357,
0.2781

■ 40.5481, 0.3268,
0.2956

■ 48.2511, 0.3192,
0.3126

Harmonies

Analogous

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



13.8356, 0.2694, 0.1585



13.8356, 0.4274, 0.2128



13.8356, 0.5652, 0.2856

Triad

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



13.8356, 0.4274, 0.2128



13.8356, 0.4147, 0.5730



13.8356, 0.0909, 0.1843

Complementary

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



13.8356, 0.4274, 0.2128



41.2448, 0.2868, 0.5526

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.



13.8356, 0.1081, 0.3009



13.8356, 0.4274, 0.2128



13.8356, 0.2878, 0.6228

Square

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



13.8356, 0.4274, 0.2128



13.8356, 0.5300, 0.4639



13.8356, 0.1750, 0.5000



13.8356, 0.1084, 0.1387

Rectangle

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



13.8356, 0.4274, 0.2128



13.8356, 0.5980, 0.3377



13.8356, 0.1750, 0.5000



13.8356, 0.0923, 0.2132

Sweetspot

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



13.8367, 0.4274, 0.2128



58.9921, 0.3361, 0.2774



5.1814, 0.1718, 0.0720



11.7009, 0.3404, 0.2699



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.



13.8367, 0.4274, 0.2128



24.1778, 0.4293, 0.2139



12.2738, 0.6128, 0.3149



10.7545, 0.3187, 0.3137



8.9131, 0.4256, 0.2118



0.4350, 0.3985, 0.1969

Inverse Universe

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



13.8367, 0.4274, 0.2128



24.1778, 0.4293, 0.2139



43.4786, 0.2413, 0.3887



10.7545, 0.3187, 0.3137



8.9131, 0.4256, 0.2118



0.4350, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 13.8356, 0.4274, 0.2128 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 13.8356, 0.4274, 0.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

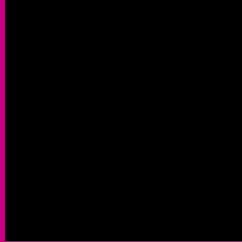
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8356, 0.4274, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 13.8356, 0.4274, 0.2128.



This preview shows how white text looks on a background with the Yxy color 13.8356, 0.4274, 0.2128.

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

13.8356, 0.4274, 0.2128

Protanopia

14.7422, 0.2006, 0.1801

Deuteranopia

14.5440, 0.2930, 0.2885



Tritanopia

14.2914, 0.5553, 0.3278

Trichromacy



Original Color

13.8356, 0.4274, 0.2128



Protanomaly

10.3384, 0.2466, 0.1589



Deuteranomaly

11.0915, 0.3408, 0.2255



Tritanomaly

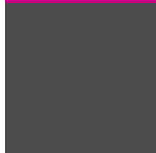
13.5044, 0.5200, 0.2820

Monochromacy



Original Color

13.8356, 0.4274, 0.2128



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.9515, 0.3675, 0.2341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8356, 0.4274, 0.2128 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, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 133)  
}
```

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, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 133) }
```

Border

The CSS property to change the border of an element to Yxy 13.8356, 0.4274, 0.2128 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, 0, 133) }
```

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

```
.border{ border-color:rgb(199, 0, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 0, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8356, 0.4274, 0.2128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 133) }
```

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

```
.background{ background-color: rgb(199, 0,  
133) }
```

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