

Converting Colors

$Y_{xy}(12.3520, 0.4486, 0.2040)$

Have a look what the booklet for
Yxy(12.3520, 0.4486, 0.2040)
contains.

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Color

Yxy(13.9498, 0.4420, 0.2208)

Conversions

Conversions Part 1

Format	Color
Hex	C9007F
RGB	201, 0, 127
RGB Percent	79%, 0%, 50%
CMY	0.2116, 1.0000, 0.5019
CMYK	0.00, 1.00, 0.37, 0.21
HSL	322°, 100%, 39%
HSV	322°, 100%, 79%
XYZ	27.9249, 13.9498, 21.3038
YIQ	74.5770, 79.0290, 82.1090

Conversions

Conversions Part 2

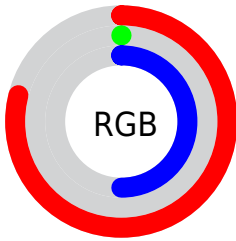
Format	Color
R_{YB}	201, 0, 127
Decimal	13172863
CIE _{Lab}	44.16, 73.08, -12.38
CIE _{LCh}	44, 74.122, 350.383
Yxy	13.9498, 0.4420, 0.2208
Android (android.graphics.Color)	4291362943 (0xFFC9007F)
YUV	74.5770, 25.8445, 110.8730
Hunter-Lab	37.3494, 68.0967, -7.6739

Details

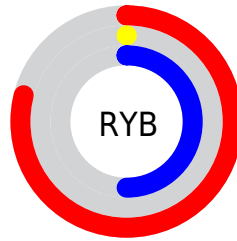
The Yxy color **13.9498, 0.4420, 0.2208** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **42.2821, 0.2841, 0.5429**, and the grayscale version is **6.9003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5347, 0.4044, 0.2408**, and **6.2128, 0.4695, 0.2360** is the 20% darker color. If you saturate the color by 10%, you get **13.9544, 0.4420, 0.2208**, and if you desaturate by 10%, it is **14.6585, 0.4258, 0.2176**.

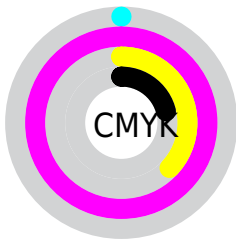
Distribution



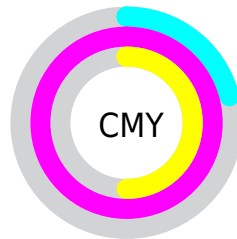
- Red (79%)
- Green (0%)
- Blue (50%)



- Red (79%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9498, 0.4420, 0.2208 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 13.9498, 0.4420, 0.2208 by changing the saturation by 10% instead.


 13.9498, 0.4420,
0.2208


 13.9498, 0.4420,
0.2208

216.9183, 0.3677,
0.2807


 8.0858, 0.4643,
0.2039


 32.9999, 0.4124,
0.2440


 4.1499, 0.4955,
0.1812


 46.9548, 0.4021,
0.2523


 1.7577, 0.5416,
0.1495


 64.3754, 0.3937,
0.2591

 0.4606, 0.6227,
0.0921

 85.6462, 0.3867,
0.2648

 0.0000, 0.8824,
0.0000

 111.1514, 0.3808,
0.2697

 0.0000, 1.0000,
0.0000

 141.2756, 0.3758,

 0.0000, 0.0000,

0.2739

0.0000

176.4031, 0.3715,
0.2775

■ 13.9498, 0.4420,
0.2208

■ 13.9498, 0.4420,
0.2208

■ 13.9544, 0.4420,
0.2208

■ 14.6585, 0.4258,
0.2176

■ 15.9007, 0.4092,
0.2189

■ 17.8628, 0.3928,
0.2251

■ 20.6409, 0.3770,
0.2355

■ 24.3163, 0.3625,
0.2489

■ 28.9603, 0.3494,
0.2644

■ 34.6370, 0.3380,
0.2807

■ 41.4049, 0.3281,
0.2973

■ 49.3183, 0.3198,
0.3135

Harmonies

Analogous

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



13.9498, 0.2838, 0.1643



13.9498, 0.4420, 0.2208



13.9498, 0.5700, 0.2942

Triad

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



13.9498, 0.4420, 0.2208



13.9498, 0.4017, 0.5789



13.9498, 0.0932, 0.1793

Complementary

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



13.9498, 0.4420, 0.2208



42.2821, 0.2841, 0.5429

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.



13.9498, 0.1067, 0.2862



13.9498, 0.4420, 0.2208



13.9498, 0.2771, 0.6149

Square

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



13.9498, 0.4420, 0.2208



13.9498, 0.5185, 0.4743



13.9498, 0.1680, 0.4772



13.9498, 0.1138, 0.1386

Rectangle

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



13.9498, 0.4420, 0.2208



13.9498, 0.5949, 0.3466



13.9498, 0.1680, 0.4772



13.9498, 0.0935, 0.2056

Sweetspot

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



13.9544, 0.4420, 0.2208



58.8370, 0.3384, 0.2800



5.6629, 0.1787, 0.0758



11.6639, 0.3431, 0.2730



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.



13.9544, 0.4420, 0.2208



23.8371, 0.4441, 0.2220



12.4999, 0.6237, 0.3209



10.7478, 0.3193, 0.3145



8.7892, 0.4398, 0.2196



0.4298, 0.4088, 0.2026

Inverse Universe

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



13.9544, 0.4420, 0.2208



23.8371, 0.4441, 0.2220



44.8523, 0.2365, 0.3715



10.7478, 0.3193, 0.3145



8.7892, 0.4398, 0.2196



0.4298, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 13.9498, 0.4420, 0.2208 looks on a white background.

Color Contrast Check

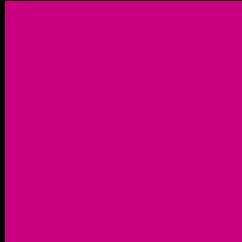
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9498, 0.4420, 0.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

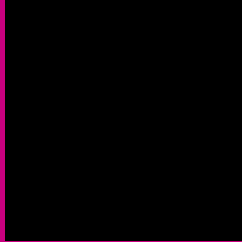
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9498, 0.4420, 0.2208

Background



This preview shows how black text looks on a background with the Yxy color 13.9498, 0.4420, 0.2208.



This preview shows how white text looks on a background with the Yxy color 13.9498, 0.4420, 0.2208.

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

13.9498, 0.4420, 0.2208

Protanopia

14.6945, 0.2094, 0.1906

Deuteranopia

14.6534, 0.3058, 0.3007



Tritanopia

14.2649, 0.5638, 0.3279

Trichromacy



Original Color

13.9498, 0.4420, 0.2208



Protanomaly

10.4981, 0.2613, 0.1691



Deuteranomaly

11.2062, 0.3560, 0.2361



Tritanomaly

13.6033, 0.5307, 0.2863

Monochromacy



Original Color

13.9498, 0.4420, 0.2208



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.9870, 0.3740, 0.2384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9498, 0.4420, 0.2208 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(201, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 127)  
}
```

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(201, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 127) }
```

Border

The CSS property to change the border of an element to Yxy 13.9498, 0.4420, 0.2208 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(201, 0, 127) }
```

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

```
.border{ border-color:rgb(201, 0, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(201, 0,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9498, 0.4420, 0.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 127) }
```

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

```
.background{ background-color: rgb(201, 0,  
127) }
```

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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