

Converting Colors

$Yxy(19.7466, 0.4099, 0.2224)$

Have a look what the booklet for
Yxy(19.7466, 0.4099, 0.2224)
contains.

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Color

Yxy(19.8299, 0.4109, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	DC329A
RGB	220, 50, 154
RGB Percent	86%, 20%, 60%
CMY	0.1373, 0.8039, 0.3960
CMYK	0.00, 0.77, 0.30, 0.14
HSL	323°, 71%, 53%
HSV	323°, 77%, 86%
XYZ	36.4895, 19.8299, 32.4844
YIQ	112.6860, 67.9360, 68.3840

Conversions

Conversions Part 2

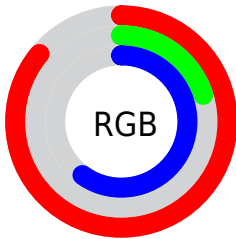
Format	Color
R _Y B	220, 50, 154
Decimal	14430874
CIE Lab	51.64, 71.83, -17.01
CIE LCh	52, 73.812, 346.675
Yxy	19.8299, 0.4109, 0.2233
Android (android.graphics.Color)	4292620954 (0xFFDC329A)
YUV	112.6860, 20.3678, 94.1144
Hunter-Lab	44.5308, 68.3380, -12.0795

Details

The Yxy color **19.8299, 0.4109, 0.2233** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **53.1248, 0.2774, 0.4902**, and the grayscale version is **16.3407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6243, 0.3658, 0.2351**, and **8.4529, 0.4348, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **18.1055, 0.4288, 0.2213**, and if you desaturate by 10%, it is **22.4795, 0.3933, 0.2302**.

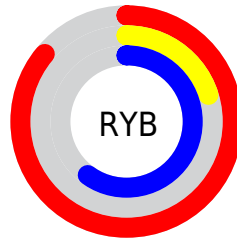
Distribution



Red (86%)

Green (20%)

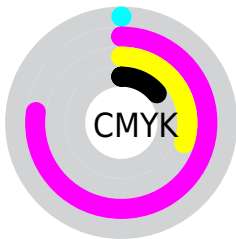
Blue (60%)



Red (86%)

Yellow (20%)

Blue (60%)

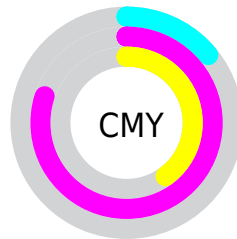


Cyan (0%)

Magenta (77%)

Yellow (30%)

Black (14%)



Cyan (14%)


Magenta (80%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8299, 0.4109, 0.2233 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 19.8299, 0.4109, 0.2233 by changing the saturation by 10% instead.


 19.8299, 0.4109,
0.2233


 19.8299, 0.4109,
0.2233


250.9928, 0.3578,
0.2785


 12.2715, 0.4255,
0.2090


 43.1318, 0.3906,
0.2438


 6.9288, 0.4450,
0.1904


 59.6441, 0.3833,
0.2514

 3.4176, 0.4723,
0.1655


 79.9097, 0.3772,
0.2577

 1.3535, 0.5127,
0.1310

 104.3132, 0.3721,
0.2631

 0.1820, 0.6007,
0.0445

 133.2388, 0.3677,
0.2678

 0.0000, 0.8276,
0.0000

167.0710, 0.3640,

 0.0000, 0.0000,

0.2718

0.0000

206.1942, 0.3607,
0.2753

■ 19.8299, 0.4109,
0.2233

■ 19.8299, 0.4109,
0.2233

■ 18.1055, 0.4288,
0.2213

■ 22.4795, 0.3933,
0.2302

■ 17.1503, 0.4462,
0.2245

■ 26.1659, 0.3767,
0.2411

■ 16.9538, 0.4510,
0.2258

■ 30.9881, 0.3615,
0.2548

■ 37.0325, 0.3481,
0.2702

■ 44.3772, 0.3364,
0.2863

■ 53.0937, 0.3264,
0.3025

■ 63.2482, 0.3180,
0.3181

■ 74.9028, 0.3109,
0.3330

■ 88.1157, 0.3050,
0.3469

Harmonies

Analogous

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



19.8299, 0.2726, 0.1727



19.8299, 0.4109, 0.2233



19.8299, 0.5331, 0.2924

Triad

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



19.8299, 0.4109, 0.2233



19.8299, 0.4155, 0.5481



19.8299, 0.1088, 0.2029

Complementary

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



19.8299, 0.4109, 0.2233



53.1248, 0.2774, 0.4902

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.



19.8299, 0.1287, 0.3116



19.8299, 0.4109, 0.2233



19.8299, 0.3012, 0.5837

Square

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



19.8299, 0.4109, 0.2233



19.8299, 0.5149, 0.4569



19.8299, 0.1951, 0.4795



19.8299, 0.1243, 0.1566

Rectangle

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



19.8299, 0.4109, 0.2233



19.8299, 0.5674, 0.3428



19.8299, 0.1951, 0.4795



19.8299, 0.1111, 0.2309

Sweetspot

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



19.8310, 0.4109, 0.2233



66.7376, 0.3321, 0.2930



11.1054, 0.2094, 0.1100



13.3770, 0.3359, 0.2871



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.



19.8310, 0.4109, 0.2233



24.3305, 0.4402, 0.2228



17.9374, 0.5547, 0.3133



13.1847, 0.3197, 0.3148



9.9726, 0.4485, 0.2244



0.6628, 0.4222, 0.2099

Inverse Universe

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



19.8310, 0.4109, 0.2233



24.3305, 0.4402, 0.2228



56.0421, 0.2379, 0.3570



13.1847, 0.3197, 0.3148



9.9726, 0.4485, 0.2244



0.6628, 0.4222, 0.2099

Previews

White Background



This preview shows how the Yxy color 19.8299, 0.4109, 0.2233 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 19.8299, 0.4109, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

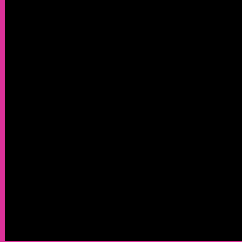
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8299, 0.4109, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 19.8299, 0.4109, 0.2233.



This preview shows how white text looks on a background with the Yxy color 19.8299, 0.4109, 0.2233.

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

19.8299, 0.4109, 0.2233

Protanopia

20.2064, 0.2140, 0.1968

Deuteranopia

20.0791, 0.2912, 0.2865



Tritanopia

19.7438, 0.5202, 0.3255

Trichromacy



Original Color

19.8299, 0.4109, 0.2233



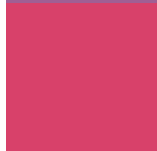
Protanomaly

17.0480, 0.2620, 0.1919



Deuteranomaly

17.7961, 0.3328, 0.2474



Tritanomaly

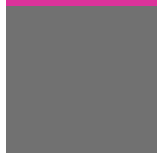
19.4201, 0.4833, 0.2861

Monochromacy



Original Color

19.8299, 0.4109, 0.2233



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5462, 0.3511, 0.2662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8299, 0.4109, 0.2233 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(220, 50, 154)` looks like.

```
.text, #text, p{  
    color:rgb(220, 50, 154)  
}
```

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(220, 50, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 50, 154) }
```

Border

The CSS property to change the border of an element to Yxy 19.8299, 0.4109, 0.2233 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(220, 50, 154) }
```

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

```
.border{ border-color:rgb(220, 50, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 50, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 50, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 50, 154);  
box-shadow:4px 4px 4px 4px rgb(220, 50,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8299, 0.4109, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 50, 154) }
```

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

```
.background{ background-color: rgb(220, 50,  
154) }
```

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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