

Converting Colors

$Yxy(18.2958, 0.3887, 0.1915)$

Have a look what the booklet for
Yxy(18.2958, 0.3887, 0.1915)
contains.

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Color

Yxy(18.3124, 0.3889, 0.1916)

Conversions

Conversions Part 1

Format	Color
Hex	DD00AB
RGB	221, 0, 171
RGB Percent	87%, 0%, 67%
CMY	0.1333, 0.9999, 0.3295
CMYK	0.00, 1.00, 0.23, 0.13
HSL	314°, 100%, 43%
HSV	314°, 100%, 87%
XYZ	37.1696, 18.3124, 40.0942
YIQ	85.5730, 76.8250, 100.0330

Conversions

Conversions Part 2

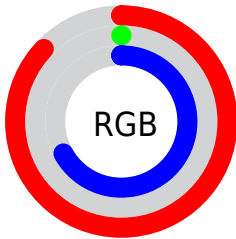
Format	Color
RYB	221, 0, 171
Decimal	14483627
CIELab	49.87, 81.70, -29.78
CIELCh	50, 86.962, 339.975
Yxy	18.3124, 0.3889, 0.1916
Android (android.graphics.Color)	4292673707 (0xFFDD00AB)
YUV	85.5730, 42.1155, 118.7695
Hunter-Lab	42.7930, 80.1557, -25.5957

Details

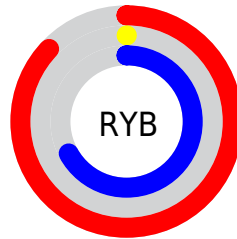
The Yxy color **18.3124, 0.3889, 0.1916** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **51.9477, 0.2936, 0.5769**, and the grayscale version is **9.1114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8115, 0.3473, 0.2045**, and **8.8851, 0.4014, 0.1985** is the 20% darker color. If you saturate the color by 10%, you get **18.3127, 0.3889, 0.1916**, and if you desaturate by 10%, it is **19.0858, 0.3803, 0.1913**.

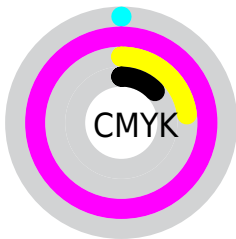
Distribution



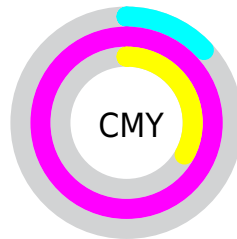
- Red (87%)
- Green (0%)
- Blue (67%)



- Red (87%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3124, 0.3889, 0.1916 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 18.3124, 0.3889, 0.1916 by changing the saturation by 10% instead.


 18.3124, 0.3889,
0.1916


 18.3124, 0.3889,
0.1916


242.6260, 0.3498,
0.2609


 11.1745, 0.3987,
0.1746


 40.5689, 0.3746,
0.2166


 6.1843, 0.4113,
0.1533


 56.4564, 0.3692,
0.2261


 2.9575, 0.4277,
0.1260


 76.0291, 0.3647,
0.2341

 1.1096, 0.4497,
0.0910

 99.6715, 0.3609,
0.2410

 0.0000, 0.5032,
0.0000

 127.7680, 0.3576,
0.2470

 0.0000, 0.5197,
0.0000

 160.7030, 0.3547,

 0.0000, 0.0000,

0.2522

0.0000

198.8609, 0.3521,
0.2568

■ 18.3124, 0.3889,
0.1916

■ 18.3124, 0.3889,
0.1916

■ 18.3127, 0.3889,
0.1916

■ 19.0858, 0.3803,
0.1913

■ 20.5271, 0.3714,
0.1951

■ 22.8526, 0.3622,
0.2036

■ 26.1842, 0.3532,
0.2164

■ 30.6246, 0.3446,
0.2324

■ 36.2636, 0.3367,
0.2507

■ 43.1820, 0.3295,
0.2703

■ 51.4535, 0.3231,
0.2903

■ 61.1462, 0.3175,
0.3100

Harmonies

Analogous

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



18.3124, 0.2334, 0.1433



18.3124, 0.3889, 0.1916



18.3124, 0.5507, 0.2627

Triad

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



18.3124, 0.3889, 0.1916



18.3124, 0.4463, 0.5530



18.3124, 0.0845, 0.1983

Complementary

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



18.3124, 0.3889, 0.1916



51.9477, 0.2936, 0.5769

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.



18.3124, 0.1114, 0.3441



18.3124, 0.3889, 0.1916



18.3124, 0.3139, 0.6372

Square

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



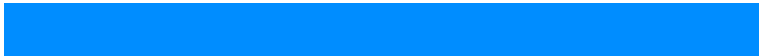
18.3124, 0.3889, 0.1916



18.3124, 0.5578, 0.4351



18.3124, 0.1929, 0.5616



18.3124, 0.0945, 0.1386

Rectangle

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



18.3124, 0.3889, 0.1916



18.3124, 0.6052, 0.3143



18.3124, 0.1929, 0.5616



18.3124, 0.0886, 0.2351

Sweetspot

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



18.3134, 0.3889, 0.1916



59.4545, 0.3296, 0.2698



5.8474, 0.1605, 0.0658



11.8119, 0.3326, 0.2614



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.



18.3134, 0.3889, 0.1916



25.3038, 0.3895, 0.1920



15.7286, 0.5849, 0.2996



13.2218, 0.3172, 0.3111



10.6552, 0.3876, 0.1909



0.7029, 0.3746, 0.1837

Inverse Universe

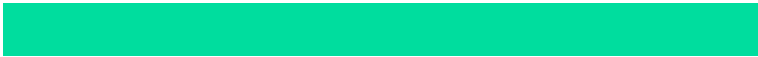
The Inverse Universe completely reimagines the original color for something new.



18.3134, 0.3889, 0.1916



25.3038, 0.3895, 0.1920



54.1992, 0.2514, 0.4249



13.2218, 0.3172, 0.3111



10.6552, 0.3876, 0.1909



0.7029, 0.3746, 0.1837

Previews

White Background



This preview shows how the Yxy color 18.3124, 0.3889, 0.1916 looks on a white background.

Color Contrast Check

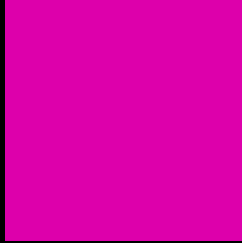
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3124, 0.3889, 0.1916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

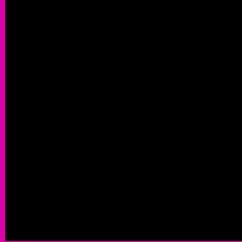
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3124, 0.3889, 0.1916

Background



This preview shows how black text looks on a background with the Yxy color 18.3124, 0.3889, 0.1916.



This preview shows how white text looks on a background with the Yxy color 18.3124, 0.3889, 0.1916.

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

18.3124, 0.3889, 0.1916

Protanopia

19.2532, 0.1775, 0.1486

Deuteranopia

19.0467, 0.2606, 0.2562



Tritanopia

18.6154, 0.5352, 0.3258

Trichromacy



Original Color

18.3124, 0.3889, 0.1916



Protanomaly

12.6166, 0.2026, 0.1263



Deuteranomaly

14.3332, 0.2998, 0.1965



Tritanomaly

17.3882, 0.4912, 0.2683

Monochromacy



Original Color

18.3124, 0.3889, 0.1916



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.1676, 0.3505, 0.2205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3124, 0.3889, 0.1916 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(221, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 171)  
}
```

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(221, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 171) }
```

Border

The CSS property to change the border of an element to Yxy 18.3124, 0.3889, 0.1916 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(221, 0, 171) }
```

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

```
.border{ border-color:rgb(221, 0, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(221, 0,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3124, 0.3889, 0.1916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 171) }
```

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

```
.background{ background-color: rgb(221, 0,  
171) }
```

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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