

# Converting Colors

$Y_{xy}(18.5658, 0.3775, 0.1895)$

Have a look what the booklet for  
Yxy(18.5658, 0.3775, 0.1895)  
contains.

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**Color**

**Yxy(18.5369, 0.3781, 0.1898)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA15AF
RGB	218, 21, 175
RGB Percent	85%, 8%, 69%
CMY	0.1450, 0.9181, 0.3136
CMYK	0.00, 0.90, 0.20, 0.14
HSL	313°, 83%, 47%
HSV	313°, 90%, 86%
XYZ	36.9273, 18.5369, 42.2012
YIQ	97.4590, 67.9780, 89.6580

# Conversions

## Conversions Part 2

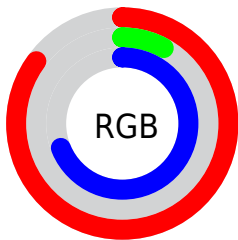
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 21, 175
Decimal	14292399
CIE <sub>Lab</sub>	50.14, 79.75, -31.78
CIE <sub>LCh</sub>	50, 85.853, 338.271
Yxy	18.5369, 0.3781, 0.1898
Android (android.graphics.Color)	4292482479 (0xFFDA15AF)
YUV	97.4590, 38.2277, 105.7145
Hunter-Lab	43.0545, 77.7518, -27.9768

# Details

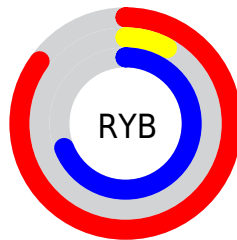
The Yxy color **18.5369, 0.3781, 0.1898** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **50.6842, 0.2916, 0.5618**, and the grayscale version is **11.9495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9532, 0.3427, 0.2049**, and **8.6742, 0.3876, 0.1909** is the 20% darker color. If you saturate the color by 10%, you get **17.8297, 0.3860, 0.1900**, and if you desaturate by 10%, it is **19.9011, 0.3696, 0.1936**.

# Distribution



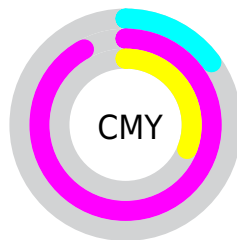
- Red (85%)
- Green (8%)
- Blue (69%)



- Red (85%)
- Yellow (8%)
- Blue (69%)



- Cyan (0%)
- Magenta (90%)
- Yellow (20%)
- Black (14%)




- Cyan (15%)
- Magenta (92%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5369, 0.3781, 0.1898 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 18.5369, 0.3781, 0.1898 by changing the saturation by 10% instead.





 18.5369, 0.3781,  
0.1898


 18.5369, 0.3781,  
0.1898


243.8801, 0.3453,  
0.2596


 11.3361, 0.3861,  
0.1728


 40.9501, 0.3663,  
0.2150


 6.2934, 0.3961,  
0.1516


 56.9313, 0.3618,  
0.2245


 3.0243, 0.4089,  
0.1245


 76.6081, 0.3580,  
0.2326

 1.1444, 0.4252,  
0.0898

 100.3649, 0.3547,  
0.2395

 0.0156, 0.4662,  
0.0029

 128.5862, 0.3519,  
0.2456

 0.0000, 0.4681,  
0.0000

 161.6562, 0.3494,

 0.0000, 0.0000,

0.2508

0.0000

199.9593, 0.3472,  
0.2555

■ 18.5369, 0.3781,  
0.1898

■ 18.5369, 0.3781,  
0.1898

■ 17.8297, 0.3860,  
0.1900

■ 19.9011, 0.3696,  
0.1936

■ 22.1152, 0.3609,  
0.2021

■ 25.2990, 0.3522,  
0.2148

■ 29.5522, 0.3439,  
0.2308

■ 34.9624, 0.3362,  
0.2492

■ 41.6079, 0.3292,  
0.2689

■ 49.5602, 0.3230,  
0.2890

■ 58.8853, 0.3176,  
0.3090

■ 69.6449, 0.3129,  
0.3282

# Harmonies

## Analogous

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



18.5369, 0.2277, 0.1434



18.5369, 0.3781, 0.1898



18.5369, 0.5398, 0.2597

# Triad

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



18.5369, 0.3781, 0.1898



18.5369, 0.4528, 0.5441



18.5369, 0.0871, 0.2059

# Complementary

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



18.5369, 0.3781, 0.1898



50.6842, 0.2916, 0.5618

# 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.



18.5369, 0.1170, 0.3557



18.5369, 0.3781, 0.1898



18.5369, 0.3226, 0.6305

# Square

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



18.5369, 0.3781, 0.1898



18.5369, 0.5600, 0.4291



18.5369, 0.2014, 0.5670



18.5369, 0.0951, 0.1427



# Rectangle

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



18.5369, 0.3781, 0.1898



18.5369, 0.5988, 0.3110



18.5369, 0.2014, 0.5670



18.5369, 0.0921, 0.2442

# Sweetspot

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



18.5379, 0.3781, 0.1898



62.7312, 0.3272, 0.2753



6.6721, 0.1696, 0.0754



12.6407, 0.3294, 0.2683



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.



18.5379, 0.3781, 0.1898



25.4010, 0.3866, 0.1904



15.9740, 0.5555, 0.2908



13.2237, 0.3171, 0.3109



10.6954, 0.3848, 0.1894



0.7052, 0.3723, 0.1825



# Inverse Universe

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



18.5379, 0.3781, 0.1898



25.4010, 0.3866, 0.1904



52.9300, 0.2501, 0.4147



13.2237, 0.3171, 0.3109



10.6954, 0.3848, 0.1894



0.7052, 0.3723, 0.1825



# Previews

## White Background



This preview shows how the Yxy color 18.5369, 0.3781, 0.1898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

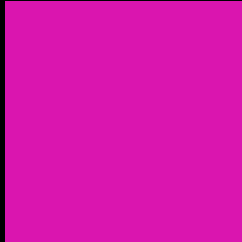
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 18.5369, 0.3781, 0.1898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

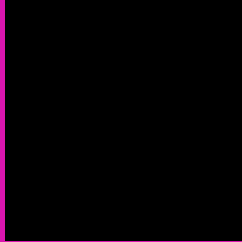
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.5369, 0.3781, 0.1898**

## Background



This preview shows how black text looks on a background with the Yxy color 18.5369, 0.3781, 0.1898.



This preview shows how white text looks on a background with the Yxy color 18.5369, 0.3781, 0.1898.

# 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

18.5369, 0.3781, 0.1898

### Protanopia

19.2321, 0.1755, 0.1467

### Deuteranopia

18.9998, 0.2543, 0.2496



## Tritanopia

18.7161, 0.5235, 0.3255

# Trichromacy



## Original Color

18.5369, 0.3781, 0.1898



## Protanomaly

13.3275, 0.1972, 0.1296



## Deuteranomaly

15.2167, 0.2912, 0.1996



## Tritanomaly

17.8400, 0.4768, 0.2693

# Monochromacy



## Original Color

18.5369, 0.3781, 0.1898



## Achromatopsia

11.9538, 0.3127, 0.3290



## Achromatomaly

11.3996, 0.3436, 0.2330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.5369, 0.3781, 0.1898 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(218, 21, 175)` looks like.

```
.text, #text, p{  
    color:rgb(218, 21, 175)  
}
```

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(218, 21, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 21, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 18.5369, 0.3781, 0.1898 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(218, 21, 175) }
```

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

```
.border{ border-color:rgb(218, 21, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 21, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 21, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 21, 175); box-shadow:4px 4px 4px 4px rgb(218, 21, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.5369, 0.3781, 0.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 21, 175) }
```

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

```
.background{ background-color: rgb(218, 21,  
175) }
```

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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