

# Converting Colors

$Y_{xy}(18.9226, 0.4355, 0.2173)$

Have a look what the booklet for  
Yxy(18.9226, 0.4355, 0.2173)  
contains.

<b>Yxy(18.8279, 0.4355, 0.2173)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(18.8279, 0.4355, 0.2173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E50095
RGB	229, 0, 149
RGB Percent	90%, 0%, 58%
CMY	0.1020, 0.9993, 0.4156
CMYK	0.00, 1.00, 0.35, 0.10
HSL	321°, 100%, 45%
HSV	321°, 100%, 90%
XYZ	37.7338, 18.8279, 30.0831
YIQ	85.4570, 88.6550, 94.8870

# Conversions

## Conversions Part 2

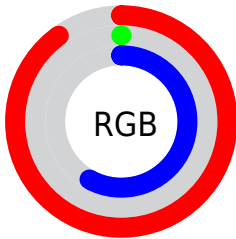
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 0, 149
Decimal	15007893
CIE <sub>Lab</sub>	50.49, 80.91, -15.63
CIE <sub>LCh</sub>	50, 82.402, 349.064
Yxy	18.8279, 0.4355, 0.2173
Android (android.graphics.Color)	4293197973 (0xFFE50095)
YUV	85.4570, 31.3267, 125.8872
Hunter-Lab	43.3911, 79.2926, -10.7319

# Details

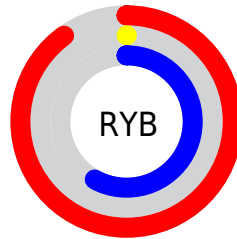
The Yxy color **18.8279, 0.4355, 0.2173** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **56.6103, 0.2859, 0.5492**, and the grayscale version is **9.1268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7562, 0.3743, 0.2252**, and **9.2067, 0.4597, 0.2306** is the 20% darker color. If you saturate the color by 10%, you get **18.8229, 0.4356, 0.2173**, and if you desaturate by 10%, it is **19.7055, 0.4203, 0.2140**.

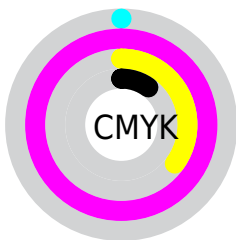
# Distribution



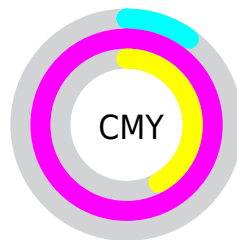
- Red (90%)
- Green (0%)
- Blue (58%)



- Red (90%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8279, 0.4355, 0.2173 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 18.8279, 0.4355, 0.2173 by changing the saturation by 10% instead.





 18.8279, 0.4355,  
0.2173

 18.8279, 0.4355,  
0.2173


245.4970, 0.3684,  
0.2759


 11.5460, 0.4541,  
0.2020


 41.4431, 0.4097,  
0.2391

 6.4353, 0.4791,  
0.1822


 57.5452, 0.4005,  
0.2472

 3.1116, 0.5142,  
0.1558

 77.3561, 0.3928,  
0.2539

 1.1902, 0.5662,  
0.1194

 101.2602, 0.3863,  
0.2597

 0.0537, 0.6867,  
0.0138

 129.6420, 0.3809,  
0.2646

 0.0000, 1.0000,  
0.0000

 162.8858, 0.3761,

 0.0000, 0.0000,

0.2688

0.0000

201.3760, 0.3720,  
0.2726

■ 18.8279, 0.4355,  
0.2173

■ 18.8279, 0.4355,  
0.2173

■ 18.8229, 0.4356,  
0.2173

■ 19.7055, 0.4203,  
0.2140

■ 21.3243, 0.4048,  
0.2154

■ 23.9138, 0.3892,  
0.2218

■ 27.6073, 0.3743,  
0.2324

■ 32.5171, 0.3604,  
0.2463

■ 38.7416, 0.3480,  
0.2622

■ 46.3688, 0.3370,  
0.2791

■ 55.4795, 0.3275,  
0.2963

■ 66.1479, 0.3195,  
0.3131

# Harmonies

## Analogous

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



18.8279, 0.2774, 0.1618



18.8279, 0.4355, 0.2173



18.8279, 0.5679, 0.2905

# Triad

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



18.8279, 0.4355, 0.2173



18.8279, 0.4061, 0.5744



18.8279, 0.0922, 0.1815

# Complementary

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



18.8279, 0.4355, 0.2173



56.6103, 0.2859, 0.5492

# 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.



18.8279, 0.1074, 0.2927



18.8279, 0.4355, 0.2173



18.8279, 0.2819, 0.6184

# Square

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



18.8279, 0.4355, 0.2173



18.8279, 0.5215, 0.4678



18.8279, 0.1712, 0.4872



18.8279, 0.1114, 0.1387



# Rectangle

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



18.8279, 0.4355, 0.2173



18.8279, 0.5962, 0.3427



18.8279, 0.1712, 0.4872



18.8279, 0.0931, 0.2090

# Sweetspot

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



18.8290, 0.4355, 0.2173



58.9161, 0.3372, 0.2787



7.2150, 0.1734, 0.0729



11.6827, 0.3417, 0.2714



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.



18.8290, 0.4355, 0.2173



24.0084, 0.4365, 0.2178



16.8007, 0.6181, 0.3179



14.5252, 0.3191, 0.3138



10.7877, 0.4334, 0.2161



0.8146, 0.4127, 0.2047



# Inverse Universe

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



18.8290, 0.4355, 0.2173



24.0084, 0.4365, 0.2178



59.7837, 0.2398, 0.3833



14.5252, 0.3191, 0.3138



10.7877, 0.4334, 0.2161



0.8146, 0.4127, 0.2047



# Previews

## White Background



This preview shows how the Yxy color 18.8279, 0.4355, 0.2173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

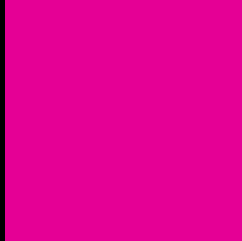
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 18.8279, 0.4355, 0.2173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

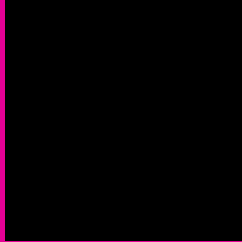
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 18.8279, 0.4355, 0.2173**

## Background



This preview shows how black text looks on a background with the Yxy color 18.8279, 0.4355, 0.2173.



This preview shows how white text looks on a background with the Yxy color 18.8279, 0.4355, 0.2173.

# 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

18.8279, 0.4355, 0.2173

### Protanopia

19.6600, 0.2039, 0.1836

### Deuteranopia

19.4934, 0.2987, 0.2931



## Tritanopia

19.1528, 0.5626, 0.3281

# Trichromacy



## Original Color

18.8279, 0.4355, 0.2173



## Protanomaly

13.9549, 0.2527, 0.1624



## Deuteranomaly

14.9386, 0.3470, 0.2289



## Tritanomaly

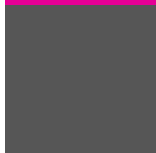
18.1841, 0.5269, 0.2842

# Monochromacy



## Original Color

18.8279, 0.4355, 0.2173



## Achromatopsia

9.3059, 0.3127, 0.3290



## Achromatomaly

9.2398, 0.3714, 0.2349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.8279, 0.4355, 0.2173 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(229, 0, 149)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 149)  
}
```

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(229, 0, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 18.8279, 0.4355, 0.2173 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(229, 0, 149) }
```

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

```
.border{ border-color:rgb(229, 0, 149) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 149);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.8279, 0.4355, 0.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 149) }
```

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

```
.background{ background-color: rgb(229, 0,  
149) }
```

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