

# Converting Colors

Yxy(19.3292, 0.4677, 0.2350)

Have a look what the booklet for  
Yxy(19.3292, 0.4677, 0.2350)  
contains.

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**Color**

**Yxy(19.4114, 0.4673, 0.2348)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB0087
RGB	235, 0, 135
RGB Percent	92%, 0%, 53%
CMY	0.0784, 0.9996, 0.4706
CMYK	0.00, 1.00, 0.43, 0.08
HSL	326°, 100%, 46%
HSV	326°, 100%, 92%
XYZ	38.6327, 19.4114, 24.6280
YIQ	85.6550, 96.7250, 91.8050

# Conversions

## Conversions Part 2

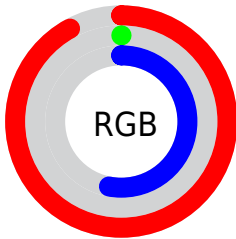
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 0, 135
Decimal	15401095
CIE Lab	51.17, 80.87, -6.06
CIE LCh	51, 81.097, 355.718
Yxy	19.4114, 0.4673, 0.2348
Android (android.graphics.Color)	4293591175 (0xFFEB0087)
YUV	85.6550, 24.3271, 130.9756
Hunter-Lab	44.0584, 79.4159, -2.3014

# Details

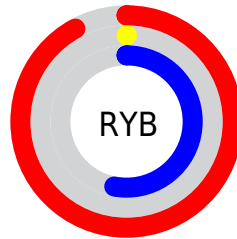
The Yxy color **19.4114, 0.4673, 0.2348** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **60.3373, 0.2799, 0.5275**, and the grayscale version is **9.1729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2566, 0.3924, 0.2395**, and **9.5561, 0.4961, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **19.4094, 0.4674, 0.2348**, and if you desaturate by 10%, it is **20.3423, 0.4477, 0.2295**.

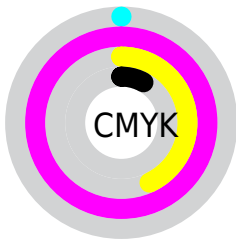
# Distribution



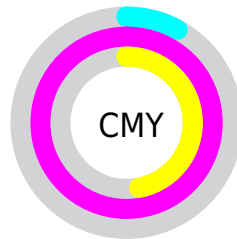
- Red (92%)
- Green (0%)
- Blue (53%)



- Red (92%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4114, 0.4673, 0.2348 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 19.4114, 0.4673, 0.2348 by changing the saturation by 10% instead.





 19.4114, 0.4673,  
0.2348


 19.4114, 0.4673,  
0.2348


248.7106, 0.3813,  
0.2860


 11.9679, 0.4917,  
0.2208


 42.4281, 0.4339,  
0.2543

 6.7218, 0.5248,  
0.2022


 58.7702, 0.4220,  
0.2614

 3.2888, 0.5716,  
0.1765

 78.8472, 0.4122,  
0.2673

 1.2843, 0.6414,  
0.1396

 103.0435, 0.4040,  
0.2722

 0.1290, 0.8030,  
0.0367

 131.7437, 0.3970,  
0.2764

 0.0000, 1.0000,  
0.0000

 165.3320, 0.3910,

 0.0000, 0.0000,

0.2800

0.0000

204.1928, 0.3858,  
0.2832

■ 19.4114, 0.4673,  
0.2348

■ 19.4114, 0.4673,  
0.2348

■ 19.4094, 0.4674,  
0.2348

■ 20.3423, 0.4477,  
0.2295

■ 22.0684, 0.4275,  
0.2290

■ 24.8329, 0.4074,  
0.2338

■ 28.7785, 0.3883,  
0.2429

■ 34.0254, 0.3708,  
0.2552

■ 40.6787, 0.3553,  
0.2694

■ 48.8328, 0.3419,  
0.2846

■ 58.5738, 0.3304,  
0.2999

■ 69.9811, 0.3207,  
0.3148

# Harmonies

## Analogous

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



19.4114, 0.3099, 0.1746



19.4114, 0.4673, 0.2348



19.4114, 0.5773, 0.3092

# Triad

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



19.4114, 0.4673, 0.2348



19.4114, 0.3792, 0.5886



19.4114, 0.0970, 0.1709

# Complementary

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



19.4114, 0.4673, 0.2348



60.3373, 0.2799, 0.5275

# 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.



19.4114, 0.1042, 0.2624



19.4114, 0.4673, 0.2348



19.4114, 0.2579, 0.5977

# Square

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



19.4114, 0.4673, 0.2348



19.4114, 0.4963, 0.4907



19.4114, 0.1559, 0.4381



19.4114, 0.1235, 0.1384



# Rectangle

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



19.4114, 0.4673, 0.2348



19.4114, 0.5887, 0.3624



19.4114, 0.1559, 0.4381



19.4114, 0.0955, 0.1931

# Sweetspot

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



19.4125, 0.4673, 0.2348



58.5972, 0.3421, 0.2843



8.5949, 0.1858, 0.0797



11.6068, 0.3475, 0.2778



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.



19.4125, 0.4673, 0.2348



23.3489, 0.4682, 0.2353



17.7129, 0.6326, 0.3259



15.1991, 0.3203, 0.3156



10.8287, 0.4644, 0.2332



0.8695, 0.4391, 0.2192



# Inverse Universe

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



19.4125, 0.4673, 0.2348



23.3489, 0.4682, 0.2353



64.3433, 0.2320, 0.3552



15.1991, 0.3203, 0.3156



10.8287, 0.4644, 0.2332



0.8695, 0.4391, 0.2192



# Previews

## White Background



This preview shows how the Yxy color 19.4114, 0.4673, 0.2348 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 19.4114, 0.4673, 0.2348 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 19.4114, 0.4673, 0.2348**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.4114, 0.4673, 0.2348.



This preview shows how white text looks on a background with the Yxy color 19.4114, 0.4673, 0.2348.

# 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

19.4114, 0.4673, 0.2348

### Protanopia

20.1112, 0.2254, 0.2108

### Deuteranopia

20.0645, 0.3257, 0.3201



**Tritanopia**

19.8110, 0.5788, 0.3284

# Trichromacy



## Original Color

19.4114, 0.4673, 0.2348



## Protanomaly

14.5279, 0.2853, 0.1864



## Deuteranomaly

15.4118, 0.3810, 0.2516



## Tritanomaly

18.9400, 0.5491, 0.2933

# Monochromacy



## Original Color

19.4114, 0.4673, 0.2348



## Achromatopsia

9.3059, 0.3127, 0.3290



## Achromatomaly

9.3073, 0.3852, 0.2442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.4114, 0.4673, 0.2348 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(235, 0, 135)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 135)  
}
```

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(235, 0, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 19.4114, 0.4673, 0.2348 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(235, 0, 135) }
```

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

```
.border{ border-color:rgb(235, 0, 135) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 135);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.4114, 0.4673, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 135) }
```

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

```
.background{ background-color: rgb(235, 0,  
135) }
```

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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