

# Converting Colors

$Y_{xy}(19.3747, 0.4452, 0.2385)$

Have a look what the booklet for  
Yxy(19.3747, 0.4452, 0.2385)  
contains.

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**Color**

**Yxy(19.4100, 0.4441, 0.2382)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E02B8A
RGB	224, 43, 138
RGB Percent	88%, 17%, 54%
CMY	0.1216, 0.8312, 0.4588
CMYK	0.00, 0.81, 0.38, 0.12
HSL	329°, 74%, 52%
HSV	329°, 81%, 88%
XYZ	36.1880, 19.4100, 25.8881
YIQ	107.9490, 77.3810, 67.9170

# Conversions

## Conversions Part 2

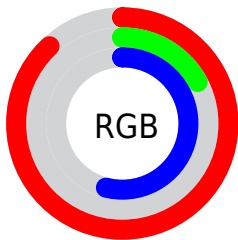
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 43, 138
Decimal	14691210
CIE <sub>Lab</sub>	51.16, 72.89, -8.10
CIE <sub>LCh</sub>	51, 73.343, 353.657
Yxy	19.4100, 0.4441, 0.2382
Android (android.graphics.Color)	4292881290 (0xFFE02B8A)
YUV	107.9490, 14.8151, 101.7767
Hunter-Lab	44.0568, 69.5195, -3.9996

# Details

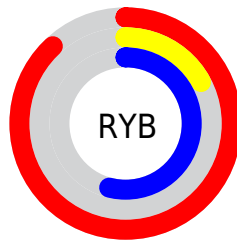
The Yxy color **19.4100, 0.4441, 0.2382** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **55.4012, 0.2706, 0.4743**, and the grayscale version is **14.9301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9589, 0.3861, 0.2474**, and **8.4911, 0.4772, 0.2403** is the 20% darker color. If you saturate the color by 10%, you get **17.9099, 0.4673, 0.2401**, and if you desaturate by 10%, it is **21.8356, 0.4210, 0.2416**.

# Distribution



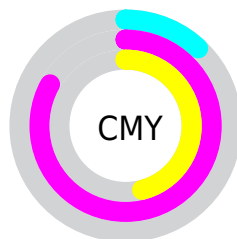
- Red (88%)
- Green (17%)
- Blue (54%)



- Red (88%)
- Yellow (17%)
- Blue (54%)



- Cyan (0%)
- Magenta (81%)
- Yellow (38%)
- Black (12%)




- Cyan (12%)
- Magenta (83%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4100, 0.4441, 0.2382 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 19.4100, 0.4441, 0.2382 by changing the saturation by 10% instead.





 19.4100, 0.4441,  
0.2382


 19.4100, 0.4441,  
0.2382


248.7029, 0.3710,  
0.2873


 11.9669, 0.4649,  
0.2248


 42.4258, 0.4157,  
0.2569


 6.7211, 0.4933,  
0.2070


 58.7672, 0.4056,  
0.2637

 3.2883, 0.5339,  
0.1823

 78.8436, 0.3972,  
0.2693

 1.2841, 0.5956,  
0.1467

 103.0393, 0.3903,  
0.2740

 0.1288, 0.7425,  
0.0397

 131.7387, 0.3844,  
0.2781

 0.0000, 1.0000,  
0.0000

165.3261, 0.3793,

 0.0000, 0.0000,

0.2815

0.0000

204.1861, 0.3749,  
0.2846

■ 19.4100, 0.4441,  
0.2382

■ 19.4100, 0.4441,  
0.2382

■ 17.9099, 0.4673,  
0.2401

■ 21.8356, 0.4210,  
0.2416


■ 17.1417, 0.4879,  
0.2462

■ 25.3123, 0.3990,  
0.2494


■ 29.9493, 0.3790,  
0.2604

■ 35.8412, 0.3613,  
0.2733

■ 43.0726, 0.3460,  
0.2872

 51.7209, 0.3331,  
0.3013

 61.8574, 0.3223,  
0.3150

 73.5486, 0.3133,  
0.3280

 86.8571, 0.3059,  
0.3402

# Harmonies

## Analogous

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



19.4100, 0.3021, 0.1821



19.4100, 0.4441, 0.2382



19.4100, 0.5504, 0.3097

# Triad

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



19.4100, 0.4441, 0.2382



19.4100, 0.3894, 0.5651



19.4100, 0.1094, 0.1875

# Complementary

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



19.4100, 0.4441, 0.2382



55.4012, 0.2706, 0.4743

# 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.



19.4100, 0.1203, 0.2795



19.4100, 0.4441, 0.2382



19.4100, 0.2747, 0.5732

# Square

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



19.4100, 0.4441, 0.2382



19.4100, 0.4945, 0.4789



19.4100, 0.1751, 0.4398



19.4100, 0.1326, 0.1519



# Rectangle

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



19.4100, 0.4441, 0.2382



19.4100, 0.5687, 0.3612



19.4100, 0.1751, 0.4398



19.4100, 0.1090, 0.2105

# Sweetspot

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



19.4111, 0.4441, 0.2382



65.2412, 0.3373, 0.2965



11.6617, 0.2176, 0.1097



13.0760, 0.3419, 0.2915



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.



19.4111, 0.4441, 0.2382



23.2457, 0.4827, 0.2446



17.7982, 0.5888, 0.3259



13.8201, 0.3210, 0.3168



10.0031, 0.4847, 0.2444



0.7114, 0.4526, 0.2267



# Inverse Universe

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



19.4111, 0.4441, 0.2382



23.2457, 0.4827, 0.2446



58.8750, 0.2307, 0.3370



13.8201, 0.3210, 0.3168



10.0031, 0.4847, 0.2444



0.7114, 0.4526, 0.2267



# Previews

## White Background



This preview shows how the Yxy color 19.4100, 0.4441, 0.2382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

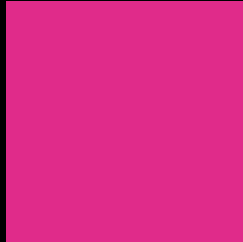
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.4100, 0.4441, 0.2382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

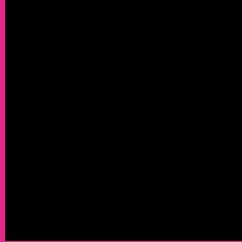
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 19.4100, 0.4441, 0.2382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.4100, 0.4441, 0.2382.



This preview shows how white text looks on a background with the Yxy color 19.4100, 0.4441, 0.2382.

# 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

19.4100, 0.4441, 0.2382

### Protanopia

19.6605, 0.2295, 0.2166

### Deuteranopia

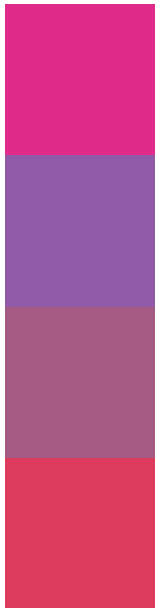
19.6039, 0.3160, 0.3110



## Tritanopia

19.5417, 0.5444, 0.3270

# Trichromacy



## Original Color

19.4100, 0.4441, 0.2382

## Protanomaly

16.4859, 0.2855, 0.2084

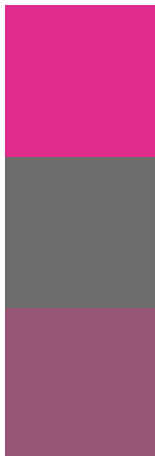
## Deuteranomaly

17.1474, 0.3633, 0.2660

## Tritanomaly

19.2064, 0.5123, 0.2950

# Monochromacy



## Original Color

19.4100, 0.4441, 0.2382

## Achromatopsia

14.9960, 0.3127, 0.3290

## Achromatomaly

14.1566, 0.3640, 0.2701

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.4100, 0.4441, 0.2382 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(224, 43, 138)` looks like.

```
.text, #text, p{  
    color:rgb(224, 43, 138)  
}
```

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(224, 43, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 43, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 19.4100, 0.4441, 0.2382 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(224, 43, 138) }
```

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

```
.border{ border-color:rgb(224, 43, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 43, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 43, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 43, 138);  
box-shadow:4px 4px 4px 4px rgb(224, 43,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.4100, 0.4441, 0.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 43, 138) }
```

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

```
.background{ background-color: rgb(224, 43,  
138) }
```

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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