

# Converting Colors

$Y_{xy}(19.5990, 0.4448, 0.2224)$

Have a look what the booklet for  
Yxy(19.5990, 0.4448, 0.2224)  
contains.

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**Color**

**Yxy(19.5990, 0.4448, 0.2224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA0093
RGB	234, 0, 147
RGB Percent	92%, 0%, 58%
CMY	0.0824, 0.9997, 0.4235
CMYK	0.00, 1.00, 0.37, 0.08
HSL	322°, 100%, 46%
HSV	322°, 100%, 92%
XYZ	39.1980, 19.5990, 29.3280
YIQ	86.7240, 92.2770, 95.3250

# Conversions

## Conversions Part 2

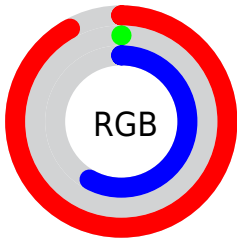
<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 0, 147
Decimal	15335571
CIELab	51.38, 81.74, -12.99
CIElCh	51, 82.765, 350.971
Yxy	19.5990, 0.4448, 0.2224
Android (android.graphics.Color)	4293525651 (0xFFEA0093)
YUV	86.7240, 29.7161, 129.1611
Hunter-Lab	44.2708, 80.5728, -8.2883

# Details

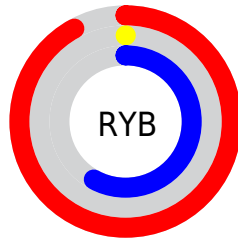
The Yxy color **19.5990, 0.4448, 0.2224** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **59.5320, 0.2843, 0.5434**, and the grayscale version is **9.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8428, 0.3765, 0.2277**, and **9.6152, 0.4704, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **19.5979, 0.4448, 0.2224**, and if you desaturate by 10%, it is **20.5137, 0.4283, 0.2185**.

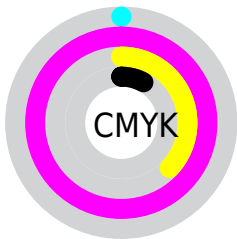
# Distribution



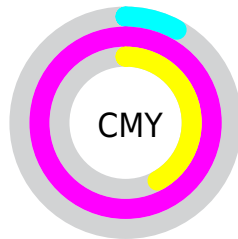
- Red (92%)
- Green (0%)
- Blue (58%)



- Red (92%)
- Yellow (0%)
- Blue (58%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (8%)




- Cyan (8%)
- Magenta (100%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5990, 0.4448, 0.2224 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 19.5990, 0.4448, 0.2224 by changing the saturation by 10% instead.




 19.5990, 0.4448,  
0.2224


 19.5990, 0.4448,  
0.2224


249.7359, 0.3725,  
0.2786


 12.1039, 0.4649,  
0.2077


 42.7438, 0.4170,  
0.2434


 6.8145, 0.4919,  
0.1885


 59.1624, 0.4070,  
0.2511


 3.3463, 0.5298,  
0.1628


 79.3242, 0.3987,  
0.2576

 1.3151, 0.5859,  
0.1271

 103.6136, 0.3918,  
0.2630

 0.1529, 0.7036,  
0.0368

 132.4151, 0.3859,  
0.2677

 0.0000, 1.0000,  
0.0000

 166.1131, 0.3808,

 0.0000, 0.0000,

0.2718

0.0000

205.0919, 0.3764,  
0.2754

■ 19.5990, 0.4448,  
0.2224

■ 19.5990, 0.4448,  
0.2224

■ 19.5979, 0.4448,  
0.2224

■ 20.5137, 0.4283,  
0.2185

■ 22.2092, 0.4115,  
0.2192

■ 24.9266, 0.3946,  
0.2251

■ 28.8071, 0.3785,  
0.2353

■ 33.9691, 0.3635,  
0.2487

■ 40.5167, 0.3502,  
0.2642

■ 48.5430, 0.3385,  
0.2806

■ 58.1330, 0.3284,  
0.2972

■ 69.3652, 0.3199,  
0.3135

# Harmonies

## Analogous

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



19.5990, 0.2866, 0.1655



19.5990, 0.4448, 0.2224



19.5990, 0.5708, 0.2959

# Triad

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



19.5990, 0.4448, 0.2224



19.5990, 0.3982, 0.5785



19.5990, 0.0937, 0.1784

# Complementary

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



19.5990, 0.4448, 0.2224



59.5320, 0.2843, 0.5434

# 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.



19.5990, 0.1065, 0.2835



19.5990, 0.4448, 0.2224



19.5990, 0.2751, 0.6130

# Square

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



19.5990, 0.4448, 0.2224



19.5990, 0.5141, 0.4743



19.5990, 0.1667, 0.4727



19.5990, 0.1149, 0.1387



# Rectangle

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



19.5990, 0.4448, 0.2224



19.5990, 0.5942, 0.3484



19.5990, 0.1667, 0.4727



19.5990, 0.0938, 0.2042

# Sweetspot

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



19.6001, 0.4448, 0.2224



58.8217, 0.3386, 0.2803



7.9124, 0.1779, 0.0754



11.6602, 0.3434, 0.2733



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.



19.6001, 0.4448, 0.2224



23.8047, 0.4456, 0.2228



17.5933, 0.6251, 0.3217



15.2133, 0.3195, 0.3143



11.0387, 0.4424, 0.2211



0.8853, 0.4211, 0.2093



# Inverse Universe

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



19.6001, 0.4448, 0.2224



23.8047, 0.4456, 0.2228



63.1456, 0.2367, 0.3719



15.2133, 0.3195, 0.3143



11.0387, 0.4424, 0.2211



0.8853, 0.4211, 0.2093



# Previews

## White Background



This preview shows how the Yxy color 19.5990, 0.4448, 0.2224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

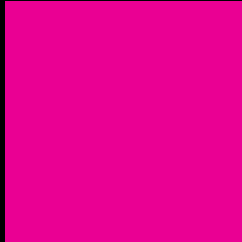
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 19.5990, 0.4448, 0.2224 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 19.5990, 0.4448, 0.2224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.5990, 0.4448, 0.2224.



This preview shows how white text looks on a background with the Yxy color 19.5990, 0.4448, 0.2224.

# 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

19.5990, 0.4448, 0.2224

### Protanopia

20.3563, 0.2093, 0.1900

### Deuteranopia

20.2267, 0.3056, 0.3007



## Tritanopia

20.0104, 0.5682, 0.3282

# Trichromacy



## Original Color

19.5990, 0.4448, 0.2224



## Protanomaly

14.5140, 0.2614, 0.1683



## Deuteranomaly

15.5557, 0.3571, 0.2353



## Tritanomaly

19.0848, 0.5340, 0.2867

# Monochromacy



## Original Color

19.5990, 0.4448, 0.2224



## Achromatopsia

9.5307, 0.3127, 0.3290



## Achromatomaly

9.4120, 0.3749, 0.2362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.5990, 0.4448, 0.2224 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(234, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 147)  
}
```

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(234, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 19.5990, 0.4448, 0.2224 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(234, 0, 147) }
```

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

```
.border{ border-color:rgb(234, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(234, 0,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.5990, 0.4448, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 147) }
```

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

```
.background{ background-color: rgb(234, 0,  
147) }
```

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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