

# Converting Colors

$Y_{xy}(39.7700, 0.3543, 0.2711)$

Have a look what the booklet for  
Yxy(39.7700, 0.3543, 0.2711)  
contains.

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# Color

**Yxy(39.8444, 0.3545, 0.2717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E78DC0
RGB	231, 141, 192
RGB Percent	91%, 55%, 75%
CMY	0.0942, 0.4470, 0.2471
CMYK	0.00, 0.39, 0.17, 0.09
HSL	326°, 65%, 73%
HSV	326°, 39%, 91%
XYZ	51.9869, 39.8444, 54.8172
YIQ	173.7240, 37.2690, 34.9410

# Conversions

## Conversions Part 2

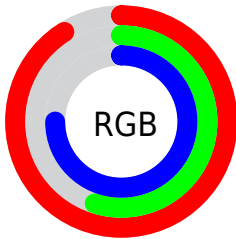
Format	Color
R <sub>Y</sub> B	231, 141, 192
Decimal	15175104
CIE Lab	69.36, 40.98, -11.93
CIE LCh	69, 42.682, 343.763
Yxy	39.8444, 0.3545, 0.2717
Android (android.graphics.Color)	4293365184 (0xFFE78DC0)
YUV	173.7240, 9.0101, 50.2311
Hunter-Lab	63.1224, 36.5463, -7.3033

# Details

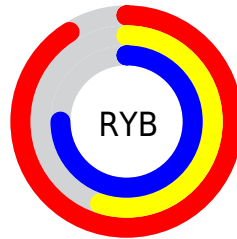
The Yxy color  $39.8444, 0.3545, 0.2717$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $66.0959, 0.2857, 0.3951$ , and the grayscale version is  $42.1188, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $67.5172, 0.3204, 0.2777$ , and  $18.0075, 0.3657, 0.2564$  is the 20% darker color. If you saturate the color by 10%, you get  $33.3005, 0.3701, 0.2575$ , and if you desaturate by 10%, it is  $47.8425, 0.3410, 0.2867$ .

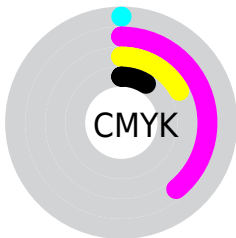
# Distribution



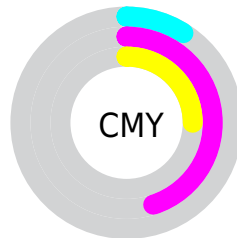
- Red (91%)
- Green (55%)
- Blue (75%)



- Red (91%)
- Yellow (55%)
- Blue (75%)



- Cyan (0%)
- Magenta (39%)
- Yellow (17%)
- Black (9%)




- Cyan (9%)
- Magenta (45%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8444, 0.3545, 0.2717 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 39.8444, 0.3545, 0.2717 by changing the saturation by 10% instead.




 39.8444, 0.3545,  
0.2717


 39.8444, 0.3545,  
0.2717


345.4673, 0.3338,  
0.2997

 27.4172, 0.3596,  
0.2649


 74.9265, 0.3470,  
0.2817

 17.8868, 0.3662,  
0.2563


 98.3503, 0.3442,  
0.2855

 10.8688, 0.3748,  
0.2451


126.2083, 0.3418,  
0.2888

 5.9787, 0.3868,  
0.2299

158.8851, 0.3397,  
0.2916

 2.8321, 0.4042,  
0.2082

196.7650, 0.3379,  
0.2940

 1.0447, 0.4322,  
0.1749

240.2324, 0.3364,


 0.0000, 0.5529,


0.2961

0.0000

289.6717, 0.3350,  
0.2980


 0.0000, 0.0000,  
0.0000


 39.8444, 0.3545,  
0.2717


 39.8444, 0.3545,  
0.2717

 33.3005, 0.3701,  
0.2575


 47.8425, 0.3410,  
0.2867


 28.1155, 0.3877,  
0.2452


 57.3711, 0.3296,  
0.3018

 24.1919, 0.4071,  
0.2358

 68.5077, 0.3200,  
0.3165

 21.4162, 0.4275,  
0.2307

 81.3231, 0.3119,  
0.3304

 19.6543, 0.4482,  
0.2307

 94.9172, 0.3053,  
0.3420

■ 18.7017, 0.4683,  
0.2358

■ 95.5353, 0.2998,  
0.3319

■ 18.6199, 0.4704,  
0.2365

■ 95.7242, 0.2981,  
0.3290

# Harmonies

## Analogous

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



39.8444, 0.2905, 0.2425



39.8444, 0.3545, 0.2717



39.8444, 0.4107, 0.3137

# Triad

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



39.8444, 0.3545, 0.2717



39.8444, 0.3837, 0.4391



39.8444, 0.2022, 0.2766

# Complementary

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



39.8444, 0.3545, 0.2717



66.0959, 0.2857, 0.3951

# 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.



39.8444, 0.2218, 0.3340



39.8444, 0.3545, 0.2717



39.8444, 0.3247, 0.4391

# Square

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



39.8444, 0.3545, 0.2717



39.8444, 0.4261, 0.4073



39.8444, 0.2655, 0.3981



39.8444, 0.2082, 0.2418



# Rectangle

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



39.8444, 0.3545, 0.2717



39.8444, 0.4327, 0.3454



39.8444, 0.2655, 0.3981



39.8444, 0.2059, 0.2936

# Sweetspot

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



39.8463, 0.3545, 0.2717



81.1818, 0.3228, 0.3120



34.3488, 0.2706, 0.2191



16.9774, 0.3240, 0.3101



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.



39.8463, 0.3545, 0.2717



42.9449, 0.3673, 0.2598



38.1952, 0.4017, 0.3206



14.5042, 0.3204, 0.3158



10.4669, 0.4674, 0.2348



0.7920, 0.4401, 0.2198



# Inverse Universe

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



39.8463, 0.3545, 0.2717



42.9449, 0.3673, 0.2598



68.1541, 0.2626, 0.3381



14.5042, 0.3204, 0.3158



10.4669, 0.4674, 0.2348

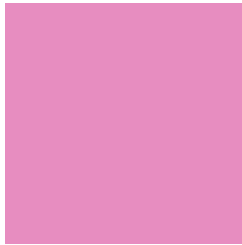


0.7920, 0.4401, 0.2198



# Previews

## White Background



This preview shows how the Yxy color 39.8444, 0.3545, 0.2717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

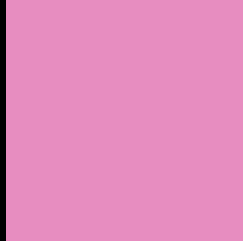
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.8444, 0.3545, 0.2717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

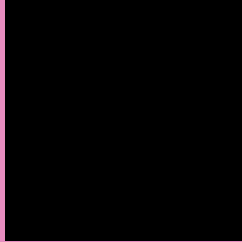
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8444, 0.3545, 0.2717**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8444, 0.3545, 0.2717.



This preview shows how white text looks on a background with the Yxy color 39.8444, 0.3545, 0.2717.

# 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

39.8444, 0.3545, 0.2717

### Protanopia

40.1320, 0.2733, 0.2733

### Deuteranopia

40.0061, 0.3051, 0.2985



## Tritanopia

39.6670, 0.3850, 0.3163

# Trichromacy



## Original Color

39.8444, 0.3545, 0.2717



## Protanomaly

39.2046, 0.2999, 0.2718



## Deuteranomaly

39.3214, 0.3223, 0.2874



## Tritanomaly

39.6471, 0.3738, 0.3001

# Monochromacy



## Original Color

39.8444, 0.3545, 0.2717



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

40.7790, 0.3270, 0.3047

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8444, 0.3545, 0.2717 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(231, 141, 192)` looks like.

```
.text, #text, p{  
    color:rgb(231, 141, 192)  
}
```

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(231, 141, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 141, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8444, 0.3545, 0.2717 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(231, 141, 192) }
```

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

```
.border{ border-color:rgb(231, 141, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 141, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 141, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 141, 192);  
box-shadow:4px 4px 4px 4px rgb(231, 141,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8444, 0.3545, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 141, 192) }
```

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

```
.background{ background-color: rgb(231,  
141, 192) }
```

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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