

# Converting Colors

$Y_{xy}(35.7143, 0.3403, 0.2433)$

Have a look what the booklet for  
Yxy(35.7143, 0.3403, 0.2433)  
contains.

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**Color**

**Yxy(35.8693, 0.3402, 0.2433)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E37FCC
RGB	227, 127, 204
RGB Percent	89%, 50%, 80%
CMY	0.1100, 0.5018, 0.2000
CMYK	0.00, 0.44, 0.10, 0.11
HSL	314°, 64%, 69%
HSV	314°, 44%, 89%
XYZ	50.1551, 35.8693, 61.4039
YIQ	165.6780, 34.8830, 45.1470

# Conversions

## Conversions Part 2

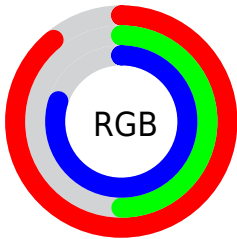
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 127, 204
Decimal	14909388
CIE <sub>Lab</sub>	66.42, 48.79, -23.13
CIE <sub>LCh</sub>	66, 53.993, 334.630
Yxy	35.8693, 0.3402, 0.2433
Android (android.graphics.Color)	4293099468 (0xFFE37FCC)
YUV	165.6780, 18.8927, 53.7794
Hunter-Lab	59.8910, 44.6738, -18.8640

# Details

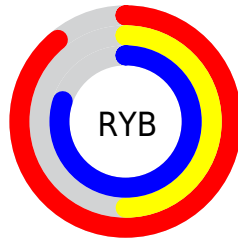
The Yxy color **35.8693, 0.3402, 0.2433** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.6286, 0.2940, 0.4343**, and the grayscale version is **37.8674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **15.6456, 0.3467, 0.2211** is the 20% darker color. If you saturate the color by 10%, you get **30.4062, 0.3486, 0.2258**, and if you desaturate by 10%, it is **42.6644, 0.3325, 0.2624**.

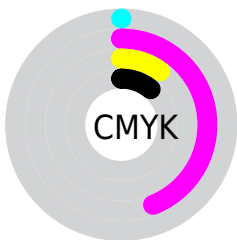
# Distribution



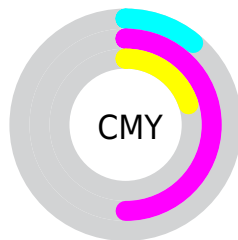
- Red (89%)
- Green (50%)
- Blue (80%)



- Red (89%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (44%)
- Yellow (10%)
- Black (11%)




- Cyan (11%)
- Magenta (50%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8693, 0.3402, 0.2433 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 35.8693, 0.3402, 0.2433 by changing the saturation by 10% instead.





 35.8693, 0.3402,  
0.2433


 35.8693, 0.3402,  
0.2433


328.3889, 0.3274,  
0.2846


 24.3333, 0.3431,  
0.2335


 68.8303, 0.3357,  
0.2579

 15.5810, 0.3467,  
0.2213


 91.0240, 0.3340,  
0.2635

 9.2282, 0.3511,  
0.2055


 117.5391, 0.3325,  
0.2683

 4.8903, 0.3568,  
0.1847

148.7600, 0.3312,  
0.2725

 2.1830, 0.3640,  
0.1560

185.0710, 0.3301,  
0.2761

 0.7107, 0.3736,  
0.1135

226.8566, 0.3291,

 0.0000, 0.4036,

0.2793


0.0000

274.5011, 0.3282,  
0.2821


 0.0000, 0.0000,  
0.0000

 35.8693, 0.3402,  
0.2433


 35.8693, 0.3402,  
0.2433


 30.4062, 0.3486,  
0.2258


 42.6644, 0.3325,  
0.2624


 26.1802, 0.3575,  
0.2111

 50.8680, 0.3257,  
0.2823


 23.0922, 0.3668,  
0.2000


 60.5567, 0.3197,  
0.3022

 21.0251, 0.3760,  
0.1935

 71.7999, 0.3146,  
0.3215


 19.8368, 0.3850,  
0.1917


 84.6630, 0.3102,  
0.3399

 19.4107, 0.3902,  
0.1923

 93.8576, 0.3067,  
0.3490

 94.1639, 0.3037,  
0.3437

 94.4791, 0.3008,  
0.3383

 94.8034, 0.2980,  
0.3330

# Harmonies

## Analogous

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



35.8693, 0.2603, 0.2136



35.8693, 0.3402, 0.2433



35.8693, 0.4215, 0.2905

# Triad

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



35.8693, 0.3402, 0.2433



35.8693, 0.4207, 0.4593



35.8693, 0.1771, 0.2782

# Complementary

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



35.8693, 0.3402, 0.2433



61.6286, 0.2940, 0.4343

# 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.



35.8693, 0.2094, 0.3607



35.8693, 0.3402, 0.2433



35.8693, 0.3487, 0.4811

# Square

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



35.8693, 0.3402, 0.2433



35.8693, 0.4675, 0.4070



35.8693, 0.2713, 0.4446



35.8693, 0.1759, 0.2265



# Rectangle

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



35.8693, 0.3402, 0.2433



35.8693, 0.4594, 0.3278



35.8693, 0.2713, 0.4446



35.8693, 0.1843, 0.3030

# Sweetspot

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



35.8710, 0.3402, 0.2433



80.1620, 0.3192, 0.3040



27.0919, 0.2467, 0.1978



16.5122, 0.3205, 0.2996



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.



35.8710, 0.3402, 0.2433



40.0359, 0.3480, 0.2270



33.8897, 0.3951, 0.2962



14.5556, 0.3173, 0.3111



11.3444, 0.3890, 0.1916



0.8522, 0.3770, 0.1850



# Inverse Universe

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



35.8710, 0.3402, 0.2433



40.0359, 0.3480, 0.2270



63.5337, 0.2677, 0.3659



14.5556, 0.3173, 0.3111



11.3444, 0.3890, 0.1916

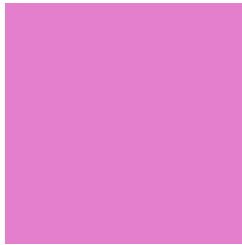


0.8522, 0.3770, 0.1850



# Previews

## White Background



This preview shows how the Yxy color 35.8693, 0.3402, 0.2433 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

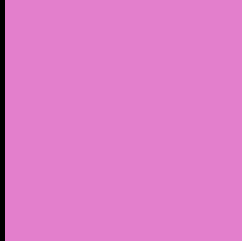
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.8693, 0.3402, 0.2433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

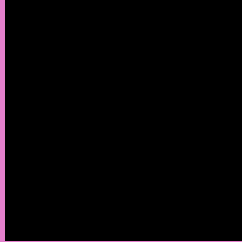
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.8693, 0.3402, 0.2433**

## Background



This preview shows how black text looks on a background with the Yxy color 35.8693, 0.3402, 0.2433.



This preview shows how white text looks on a background with the Yxy color 35.8693, 0.3402, 0.2433.

# 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

35.8693, 0.3402, 0.2433

### Protanopia

36.4058, 0.2464, 0.2389

### Deuteranopia

35.9019, 0.2802, 0.2740



## Tritanopia

36.0073, 0.3918, 0.3172

# Trichromacy



## Original Color

35.8693, 0.3402, 0.2433



## Protanomaly

35.0649, 0.2745, 0.2384



## Deuteranomaly

35.2279, 0.3006, 0.2606



## Tritanomaly

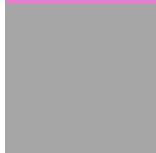
35.8805, 0.3726, 0.2890

# Monochromacy



## Original Color

35.8693, 0.3402, 0.2433



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

36.4431, 0.3223, 0.2921

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.8693, 0.3402, 0.2433 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(227, 127, 204)` looks like.

```
.text, #text, p{  
    color:rgb(227, 127, 204)  
}
```

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(227, 127, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 127, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 35.8693, 0.3402, 0.2433 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(227, 127, 204) }
```

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

```
.border{ border-color:rgb(227, 127, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 127, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 127, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 127, 204);  
box-shadow:4px 4px 4px 4px rgb(227, 127,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.8693, 0.3402, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 127, 204) }
```

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

```
.background{ background-color: rgb(227,  
127, 204) }
```

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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