

Converting Colors

$Y_{xy}(34.8805, 0.3815, 0.2804)$

Have a look what the booklet for
Yxy(34.8805, 0.3815, 0.2804)
contains.

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Color

Yxy(34.9040, 0.3809, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	E67FAA
RGB	230, 127, 170
RGB Percent	90%, 50%, 67%
CMY	0.0980, 0.5020, 0.3333
CMYK	0.00, 0.45, 0.26, 0.10
HSL	335°, 67%, 70%
HSV	335°, 45%, 90%
XYZ	47.4819, 34.9040, 42.2712
YIQ	162.6990, 47.5850, 35.2090

Conversions

Conversions Part 2

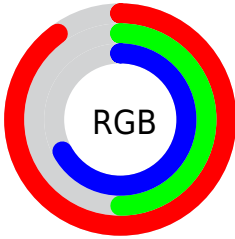
Format	Color
R _Y B	230, 127, 170
Decimal	15105962
CIE Lab	65.67, 44.69, -5.08
CIE LCh	66, 44.980, 353.510
Yxy	34.9040, 0.3809, 0.2800
Android (android.graphics.Color)	4293296042 (0xFFE67FAA)
YUV	162.6990, 3.5994, 59.0230
Hunter-Lab	59.0796, 40.0700, -1.0660

Details

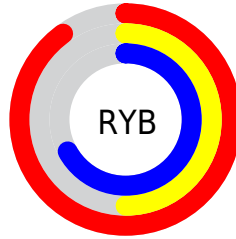
The Yxy color **34.9040, 0.3809, 0.2800** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **64.6996, 0.2743, 0.3856**, and the grayscale version is **36.4434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1521, 0.3395, 0.2854**, and **14.9762, 0.4020, 0.2649** is the 20% darker color. If you saturate the color by 10%, you get **29.1460, 0.4047, 0.2703**, and if you desaturate by 10%, it is **42.0730, 0.3605, 0.2910**.

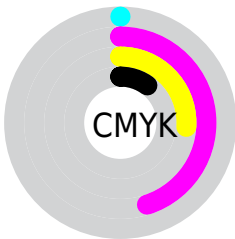
Distribution



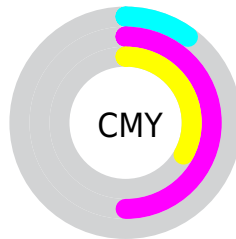
- Red (90%)
- Green (50%)
- Blue (67%)



- Red (90%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (45%)
- Yellow (26%)
- Black (10%)




- Cyan (10%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9040, 0.3809, 0.2800 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 34.9040, 0.3809, 0.2800 by changing the saturation by 10% instead.


 34.9040, 0.3809,
0.2800


 34.9040, 0.3809,
0.2800


324.1444, 0.3456,
0.3050

 23.5889, 0.3901,
0.2736


 67.3370, 0.3678,
0.2892

 15.0290, 0.4021,
0.2654


 89.2238, 0.3630,
0.2926

 8.8397, 0.4185,
0.2544


 115.4032, 0.3589,
0.2954

 4.6368, 0.4420,
0.2388

146.2597, 0.3554,
0.2979

 2.0358, 0.4785,
0.2153

182.1777, 0.3525,
0.3000

 0.6281, 0.5454,
0.1710

223.5415, 0.3499,


 0.0000, 1.0000,


0.3019


0.0000


270.7356, 0.3476,
0.3035


 0.0000, 0.0000,
0.0000

 34.9040, 0.3809,
0.2800


 34.9040, 0.3809,
0.2800


 29.1460, 0.4047,
0.2703


 42.0730, 0.3605,
0.2910


 24.6989, 0.4316,
0.2629


 50.7342, 0.3434,
0.3023


 21.4574, 0.4609,
0.2591

 60.9683, 0.3292,
0.3135


 19.2975, 0.4910,
0.2602


 72.8489, 0.3175,
0.3241

 18.0676, 0.5198,
0.2667

 86.4451, 0.3080,
0.3341

 17.6704, 0.5340,
0.2715

 95.2717, 0.3001,
0.3336

 95.5650, 0.2976,
0.3290

Harmonies

Analogous

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



34.9040, 0.3102, 0.2434



34.9040, 0.3809, 0.2800



34.9040, 0.4347, 0.3280

Triad

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



34.9040, 0.3809, 0.2800



34.9040, 0.3697, 0.4551



34.9040, 0.1917, 0.2557

Complementary

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



34.9040, 0.3809, 0.2800



64.6996, 0.2743, 0.3856

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.



34.9040, 0.2035, 0.3111



34.9040, 0.3809, 0.2800



34.9040, 0.3031, 0.4414

Square

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



34.9040, 0.3809, 0.2800



34.9040, 0.4243, 0.4276



34.9040, 0.2426, 0.3835



34.9040, 0.2068, 0.2273

Rectangle

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



34.9040, 0.3809, 0.2800



34.9040, 0.4498, 0.3627



34.9040, 0.2426, 0.3835



34.9040, 0.1926, 0.2712

Sweetspot

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



34.9057, 0.3809, 0.2800



79.4612, 0.3271, 0.3153



31.2524, 0.2763, 0.2057



16.3389, 0.3299, 0.3129



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.



34.9057, 0.3809, 0.2800



37.1399, 0.4035, 0.2707



35.3700, 0.4288, 0.3372



14.4673, 0.3227, 0.3192



10.0259, 0.5300, 0.2693



0.7591, 0.4923, 0.2486

Inverse Universe

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



34.9057, 0.3809, 0.2800



37.1399, 0.4035, 0.2707



63.0780, 0.2511, 0.3202



14.4673, 0.3227, 0.3192



10.0259, 0.5300, 0.2693



0.7591, 0.4923, 0.2486

Previews

White Background



This preview shows how the Yxy color 34.9040, 0.3809, 0.2800 looks on a white background.

Color Contrast Check

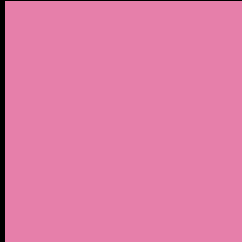
Large Text (above 18pt) WCAG AA × Fail

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 34.9040, 0.3809, 0.2800 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 34.9040, 0.3809, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 34.9040, 0.3809, 0.2800.



This preview shows how white text looks on a background with the Yxy color 34.9040, 0.3809, 0.2800.

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

34.9040, 0.3809, 0.2800

Protanopia

35.3840, 0.2822, 0.2851

Deuteranopia

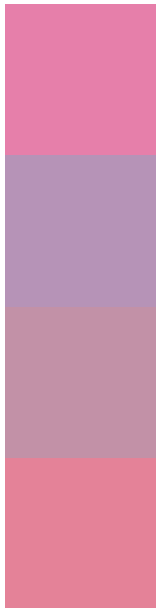
35.0435, 0.3213, 0.3149



Tritanopia

34.7864, 0.4091, 0.3176

Trichromacy



Original Color

34.9040, 0.3809, 0.2800

Protanomaly

34.2314, 0.3140, 0.2808

Deuteranomaly

34.5102, 0.3421, 0.3001

Tritanomaly

34.7262, 0.3991, 0.3036

Monochromacy



Original Color

34.9040, 0.3809, 0.2800

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.1307, 0.3351, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9040, 0.3809, 0.2800 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(230, 127, 170)` looks like.

```
.text, #text, p{  
    color:rgb(230, 127, 170)  
}
```

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(230, 127, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 127, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.9040, 0.3809, 0.2800 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(230, 127, 170) }
```

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

```
.border{ border-color:rgb(230, 127, 170) }
```

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

Here you see how a box with a 4 pixel rgb(230, 127, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 127, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 127, 170);  
box-shadow:4px 4px 4px 4px rgb(230, 127,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9040, 0.3809, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 127, 170) }
```

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

```
.background{ background-color: rgb(230,  
127, 170) }
```

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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