

Converting Colors

$Yxy(49.0936, 0.3378, 0.2835)$

Have a look what the booklet for
Yxy(49.0936, 0.3378, 0.2835)
contains.

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Color

Yxy(49.1011, 0.3381, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	E9A6CF
RGB	233, 166, 207
RGB Percent	91%, 65%, 81%
CMY	0.0864, 0.3489, 0.1883
CMYK	0.00, 0.29, 0.11, 0.09
HSL	323°, 60%, 78%
HSV	323°, 29%, 91%
XYZ	58.4957, 49.1011, 65.4162
YIQ	190.7070, 26.7710, 26.9550

Conversions

Conversions Part 2

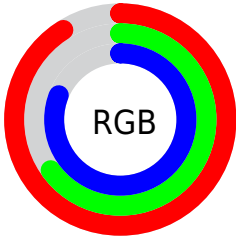
Format	Color
R_{YB}	233, 166, 207
Decimal	15312591
CIE _{Lab}	75.51, 30.85, -10.98
CIE _{LCh}	76, 32.741, 340.409
Yxy	49.1011, 0.3381, 0.2838
Android (android.graphics.Color)	4293502671 (0xFFE9A6CF)
YUV	190.7070, 8.0324, 37.0910
Hunter-Lab	70.0722, 26.3841, -6.3000

Details

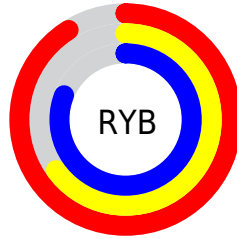
The Yxy color **49.1011, 0.3381, 0.2838** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **70.1800, 0.2938, 0.3791**, and the grayscale version is **51.8636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **23.3403, 0.3438, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **40.9556, 0.3501, 0.2677**, and if you desaturate by 10%, it is **58.8106, 0.3278, 0.3000**.

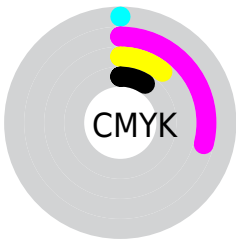
Distribution



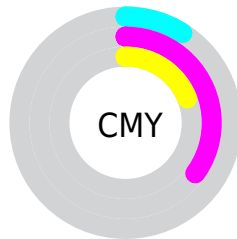
- Red (91%)
- Green (65%)
- Blue (81%)



- Red (91%)
- Yellow (65%)
- Blue (81%)



- Cyan (0%)
- Magenta (29%)
- Yellow (11%)
- Black (9%)





- Cyan (9%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1011, 0.3381, 0.2838 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 49.1011, 0.3381, 0.2838 by changing the saturation by 10% instead.


 49.1011, 0.3381,
0.2838


 49.1011, 0.3381,
0.2838


383.1402, 0.3259,
0.3054

 34.6997, 0.3410,
0.2787


 88.8416, 0.3338,
0.2914

 23.4316, 0.3446,
0.2724

 114.9495, 0.3321,
0.2943

 14.9125, 0.3493,
0.2642


145.7283, 0.3307,
0.2968

 8.7580, 0.3556,
0.2532

181.5624, 0.3295,
0.2990

 4.5837, 0.3645,
0.2380

222.8363, 0.3284,
0.3009

 2.0051, 0.3779,
0.2152

269.9343, 0.3275,

 0.6105, 0.4034,

0.3026

0.1716

323.2408, 0.3267,
0.3040

0.0000, 0.5534,
0.0000

0.0000, 0.0000,
0.0000

49.1011, 0.3381,
0.2838

49.1011, 0.3381,
0.2838

40.9556, 0.3501,
0.2677

58.8106, 0.3278,
0.3000

34.2842, 0.3639,
0.2525

70.1546, 0.3191,
0.3158

28.9979, 0.3794,
0.2391

83.2071, 0.3119,
0.3308

24.9954, 0.3963,
0.2287

95.3205, 0.3059,
0.3408

■ 22.1614, 0.4140,
0.2226

■ 95.8809, 0.3009,
0.3317

■ 20.3597, 0.4319,
0.2215

■ 96.0598, 0.2993,
0.3290

■ 19.3874, 0.4493,
0.2255

■ 19.2891, 0.4515,
0.2261

Harmonies

Analogous

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



49.1011, 0.2925, 0.2629



49.1011, 0.3381, 0.2838



49.1011, 0.3790, 0.3151

Triad

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



49.1011, 0.3381, 0.2838



49.1011, 0.3696, 0.4069



49.1011, 0.2318, 0.2966

Complementary

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



49.1011, 0.3381, 0.2838



70.1800, 0.2938, 0.3791

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.



49.1011, 0.2494, 0.3387



49.1011, 0.3381, 0.2838



49.1011, 0.3279, 0.4073

Square

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



49.1011, 0.3381, 0.2838



49.1011, 0.3971, 0.3848



49.1011, 0.2840, 0.3815



49.1011, 0.2339, 0.2678

Rectangle

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



49.1011, 0.3381, 0.2838



49.1011, 0.3964, 0.3390



49.1011, 0.2840, 0.3815



49.1011, 0.2355, 0.3096

Sweetspot

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



49.1033, 0.3381, 0.2838



85.6608, 0.3194, 0.3153



44.3267, 0.2820, 0.2500



17.8736, 0.3206, 0.3131



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.



49.1033, 0.3381, 0.2838



54.6151, 0.3444, 0.2750



47.6484, 0.3688, 0.3203



15.2089, 0.3197, 0.3147



10.9725, 0.4490, 0.2247



0.8804, 0.4264, 0.2123

Inverse Universe

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



49.1033, 0.3381, 0.2838



54.6151, 0.3444, 0.2750



71.8191, 0.2753, 0.3381



15.2089, 0.3197, 0.3147



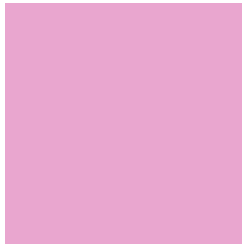
10.9725, 0.4490, 0.2247



0.8804, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 49.1011, 0.3381, 0.2838 looks on a white background.

Color Contrast Check

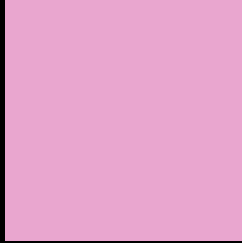
Large Text (above 18pt) WCAG AA × Fail

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 49.1011, 0.3381, 0.2838 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 49.1011, 0.3381, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 49.1011, 0.3381, 0.2838.



This preview shows how white text looks on a background with the Yxy color 49.1011, 0.3381, 0.2838.

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

49.1011, 0.3381, 0.2838

Protanopia

49.5157, 0.2839, 0.2871

Deuteranopia

49.1431, 0.3073, 0.3009



Tritanopia

48.9913, 0.3564, 0.3143

Trichromacy



Original Color

49.1011, 0.3381, 0.2838



Protanomaly

48.8892, 0.3015, 0.2849



Deuteranomaly

49.0138, 0.3178, 0.2948



Tritanomaly

49.1706, 0.3493, 0.3031

Monochromacy



Original Color

49.1011, 0.3381, 0.2838



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.6089, 0.3212, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1011, 0.3381, 0.2838 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(233, 166, 207)` looks like.

```
.text, #text, p{  
    color:rgb(233, 166, 207)  
}
```

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(233, 166, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 166, 207) }
```

Border

The CSS property to change the border of an element to Yxy 49.1011, 0.3381, 0.2838 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(233, 166, 207) }
```

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

```
.border{ border-color:rgb(233, 166, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 166, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 166, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 166, 207);  
box-shadow:4px 4px 4px 4px rgb(233, 166,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1011, 0.3381, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 166, 207) }
```

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

```
.background{ background-color: rgb(233,  
166, 207) }
```

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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