

Converting Colors

$Y_{xy}(48.8565, 0.3350, 0.2906)$

Have a look what the booklet for
Yxy(48.8565, 0.3350, 0.2906)
contains.

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Color

Yxy(48.8565, 0.3350, 0.2906)

Conversions

Conversions Part 1

Format	Color
Hex	E2A9CB
RGB	226, 169, 203
RGB Percent	89%, 66%, 80%
CMY	0.1139, 0.3372, 0.2040
CMYK	0.00, 0.25, 0.10, 0.11
HSL	324°, 50%, 77%
HSV	324°, 25%, 89%
XYZ	56.3212, 48.8565, 62.9452
YIQ	189.9190, 23.0580, 22.6580

Conversions

Conversions Part 2

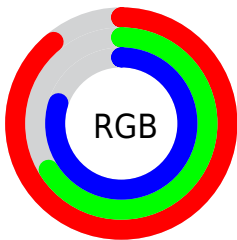
Format	Color
RYB	226, 169, 203
Decimal	14854603
CIELab	75.36, 26.16, -9.09
CIELCh	75, 27.698, 340.846
Yxy	48.8565, 0.3350, 0.2906
Android (android.graphics.Color)	4293044683 (0xFFE2A9CB)
YUV	189.9190, 6.4489, 31.6430
Hunter-Lab	69.8974, 21.5092, -4.4646

Details

The Yxy color $48.8565, 0.3350, 0.2906$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $66.6191, 0.2954, 0.3709$, and the grayscale version is $51.3956, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $23.2068, 0.3408, 0.2800$ is the 20% darker color. If you saturate the color by 10%, you get $40.7414, 0.3468, 0.2748$, and if you desaturate by 10%, it is $58.4546, 0.3250, 0.3063$.

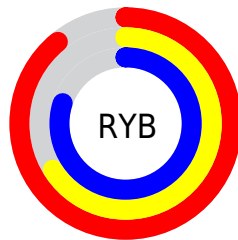
Distribution



Red (89%)

Green (66%)

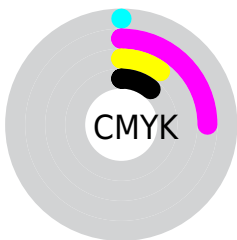
Blue (80%)



Red (89%)

Yellow (66%)

Blue (80%)

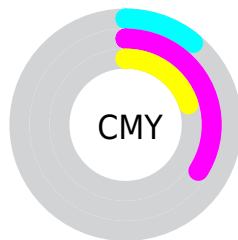


Cyan (0%)

Magenta (25%)

Yellow (10%)

Black (11%)



Cyan (11%)


Magenta (34%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8565, 0.3350, 0.2906 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 48.8565, 0.3350, 0.2906 by changing the saturation by 10% instead.


 48.8565, 0.3350,
0.2906


 48.8565, 0.3350,
0.2906


382.1771, 0.3242,
0.3091

 34.5057, 0.3376,
0.2862


 88.4783, 0.3312,
0.2971

 23.2823, 0.3408,
0.2807


 114.5180, 0.3297,
0.2996

 14.8021, 0.3451,
0.2736

145.2229, 0.3285,
0.3018

 8.6806, 0.3508,
0.2640

180.9772, 0.3274,
0.3036

 4.5335, 0.3589,
0.2504

222.1653, 0.3265,
0.3052

 1.9762, 0.3714,
0.2298

269.1718, 0.3256,

 0.5936, 0.3967,

0.3067

0.1873

322.3809, 0.3249,
0.3079

0.0000, 0.6639,
0.0000

0.0000, 0.0000,
0.0000

48.8565, 0.3350,
0.2906

48.8565, 0.3350,
0.2906

40.7414, 0.3468,
0.2748

58.4546, 0.3250,
0.3063

34.0274, 0.3605,
0.2595

69.5988, 0.3165,
0.3214

28.6351, 0.3760,
0.2457

82.3566, 0.3095,
0.3358

24.4739, 0.3932,
0.2344

93.9433, 0.3037,
0.3447

■ 21.4421, 0.4116,
0.2270

■ 94.4978, 0.2987,
0.3354

■ 19.4214, 0.4305,
0.2243

■ 94.9035, 0.2952,
0.3289

■ 18.2665, 0.4490,
0.2269

■ 17.9051, 0.4577,
0.2295

Harmonies

Analogous

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



48.8565, 0.2963, 0.2724



48.8565, 0.3350, 0.2906



48.8565, 0.3692, 0.3179

Triad

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



48.8565, 0.3350, 0.2906



48.8565, 0.3610, 0.3953



48.8565, 0.2433, 0.3016

Complementary

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



48.8565, 0.3350, 0.2906



66.6191, 0.2954, 0.3709

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.



48.8565, 0.2584, 0.3370



48.8565, 0.3350, 0.2906



48.8565, 0.3256, 0.3945

Square

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



48.8565, 0.3350, 0.2906



48.8565, 0.3842, 0.3775



48.8565, 0.2881, 0.3725



48.8565, 0.2453, 0.2768

Rectangle

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



48.8565, 0.3350, 0.2906



48.8565, 0.3837, 0.3386



48.8565, 0.2881, 0.3725



48.8565, 0.2465, 0.3126

Sweetspot

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



48.8587, 0.3350, 0.2906



87.1486, 0.3188, 0.3172



45.0543, 0.2873, 0.2609



18.1689, 0.3200, 0.3149



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.



48.8587, 0.3350, 0.2906



58.6880, 0.3407, 0.2827



47.6322, 0.3606, 0.3225



13.8370, 0.3199, 0.3151



10.2423, 0.4550, 0.2280



0.7275, 0.4288, 0.2136

Inverse Universe

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



48.8587, 0.3350, 0.2906



58.6880, 0.3407, 0.2827



67.9944, 0.2790, 0.3357



13.8370, 0.3199, 0.3151



10.2423, 0.4550, 0.2280



0.7275, 0.4288, 0.2136

Previews

White Background



This preview shows how the Yxy color 48.8565, 0.3350, 0.2906 looks on a white background.

Color Contrast Check

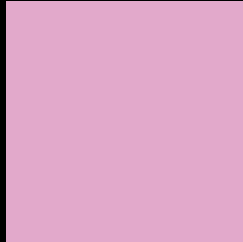
Large Text (above 18pt) WCAG AA × Fail

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 48.8565, 0.3350, 0.2906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

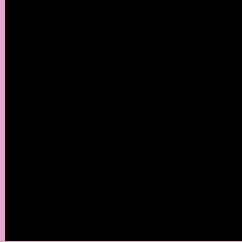
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8565, 0.3350, 0.2906

Background



This preview shows how black text looks on a background with the Yxy color 48.8565, 0.3350, 0.2906.



This preview shows how white text looks on a background with the Yxy color 48.8565, 0.3350, 0.2906.

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

48.8565, 0.3350, 0.2906

Protanopia

48.9088, 0.2887, 0.2929

Deuteranopia

49.1351, 0.3105, 0.3046



Tritanopia

48.8551, 0.3487, 0.3140

Trichromacy



Original Color

48.8565, 0.3350, 0.2906

Protanomaly

48.7140, 0.3044, 0.2927

Deuteranomaly

49.1184, 0.3193, 0.2993

Tritanomaly

48.9391, 0.3435, 0.3050

Monochromacy



Original Color

48.8565, 0.3350, 0.2906

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.0925, 0.3202, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8565, 0.3350, 0.2906 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(226, 169, 203)` looks like.

```
.text, #text, p{  
    color:rgb(226, 169, 203)  
}
```

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(226, 169, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 169, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.8565, 0.3350, 0.2906 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(226, 169, 203) }
```

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

```
.border{ border-color:rgb(226, 169, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 169, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 169, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 169, 203); box-shadow:4px 4px 4px 4px rgb(226, 169, 203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8565, 0.3350, 0.2906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 169, 203) }
```

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

```
.background{ background-color: rgb(226,  
169, 203) }
```

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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