

Converting Colors

$Y_{xy}(51.7659, 0.3437, 0.2974)$

Have a look what the booklet for
Yxy(51.7659, 0.3437, 0.2974)
contains.

Yxy(51.8136, 0.3433, 0.2971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.8136, 0.3433, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	EBADCA
RGB	235, 173, 202
RGB Percent	92%, 68%, 79%
CMY	0.0783, 0.3216, 0.2079
CMYK	0.00, 0.26, 0.14, 0.08
HSL	332°, 61%, 80%
HSV	332°, 26%, 92%
XYZ	59.8708, 51.8136, 62.7135
YIQ	194.8440, 27.6430, 22.1630

Conversions

Conversions Part 2

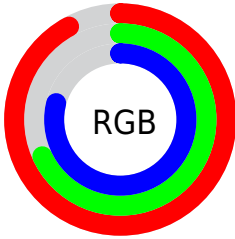
Format	Color
R_{YB}	235, 173, 202
Decimal	15445450
CIE Lab	77.17, 27.02, -5.77
CIE LCh	77, 27.627, 347.951
Yxy	51.8136, 0.3433, 0.2971
Android (android.graphics.Color)	4293635530 (0xFFE8ADCA)
YUV	194.8440, 3.5279, 35.2168
Hunter-Lab	71.9817, 22.4995, -1.2688

Details

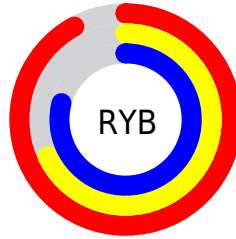
The Yxy color $51.8136, 0.3433, 0.2971$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.7752, 0.2901, 0.3634$, and the grayscale version is $54.4436, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.5186, 0.3139, 0.3039$, and $25.0360, 0.3509, 0.2888$ is the 20% darker color. If you saturate the color by 10%, you get $43.0125, 0.3594, 0.2845$, and if you desaturate by 10%, it is $62.2529, 0.3299, 0.3096$.

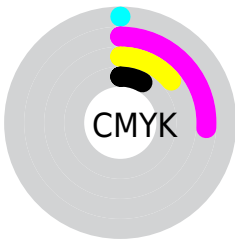
Distribution



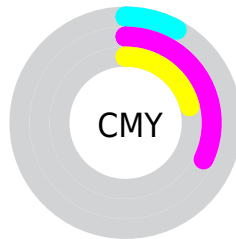
- Red (92%)
- Green (68%)
- Blue (79%)



- Red (92%)
- Yellow (68%)
- Blue (79%)



- Cyan (0%)
- Magenta (26%)
- Yellow (14%)
- Black (8%)





- Cyan (8%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8136, 0.3433, 0.2971 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 51.8136, 0.3433, 0.2971 by changing the saturation by 10% instead.


 51.8136, 0.3433,
0.2971

 51.8136, 0.3433,
0.2971

393.7166, 0.3285,
0.3124

 36.8565, 0.3469,
0.2935


 92.8563, 0.3380,
0.3025

 25.0964, 0.3514,
0.2889


119.7107, 0.3360,
0.3046

 16.1489, 0.3573,
0.2830


151.2996, 0.3343,
0.3064

 9.6296, 0.3653,
0.2751

188.0075, 0.3328,
0.3079

 5.1541, 0.3767,
0.2639

230.2188, 0.3315,
0.3092

 2.3379, 0.3944,
0.2469

278.3178, 0.3304,

 0.7937, 0.4259,

0.3104

0.2176

332.6889, 0.3294,
0.3115

0.0000, 0.8537,
0.0000

0.0000, 0.0000,
0.0000

51.8136, 0.3433,
0.2971

51.8136, 0.3433,
0.2971

43.0125, 0.3594,
0.2845

62.2529, 0.3299,
0.3096

35.7583, 0.3783,
0.2724

74.4013, 0.3188,
0.3217

29.9616, 0.4002,
0.2618

88.3344, 0.3096,
0.3330

25.5208, 0.4248,
0.2537

96.2194, 0.3022,
0.3319

■ 22.3209, 0.4512,
0.2496

■ 96.4072, 0.3006,
0.3290

■ 20.2279, 0.4782,
0.2505

■ 19.0741, 0.5041,
0.2570

■ 18.7895, 0.5132,
0.2601

Harmonies

Analogous

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



51.8136, 0.3054, 0.2767



51.8136, 0.3433, 0.2971



51.8136, 0.3739, 0.3253

Triad

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



51.8136, 0.3433, 0.2971



51.8136, 0.3525, 0.3955



51.8136, 0.2436, 0.2953

Complementary

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



51.8136, 0.3433, 0.2971



72.7752, 0.2901, 0.3634

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.



51.8136, 0.2546, 0.3282



51.8136, 0.3433, 0.2971



51.8136, 0.3164, 0.3897

Square

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



51.8136, 0.3433, 0.2971



51.8136, 0.3788, 0.3819



51.8136, 0.2808, 0.3640



51.8136, 0.2496, 0.2743

Rectangle

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



51.8136, 0.3433, 0.2971



51.8136, 0.3851, 0.3457



51.8136, 0.2808, 0.3640



51.8136, 0.2454, 0.3052

Sweetspot

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



51.8160, 0.3433, 0.2971



86.9877, 0.3205, 0.3197



48.8707, 0.2915, 0.2584



18.1284, 0.3221, 0.3179



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.



51.8160, 0.3433, 0.2971



56.0308, 0.3522, 0.2898



50.9673, 0.3691, 0.3303



15.1712, 0.3220, 0.3180



10.4795, 0.5094, 0.2580



0.8422, 0.4765, 0.2399

Inverse Universe

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



51.8160, 0.3433, 0.2971



56.0308, 0.3522, 0.2898



73.7265, 0.2740, 0.3277



15.1712, 0.3220, 0.3180



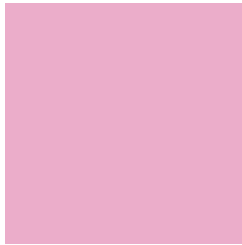
10.4795, 0.5094, 0.2580



0.8422, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 51.8136, 0.3433, 0.2971 looks on a white background.

Color Contrast Check

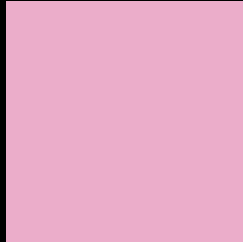
Large Text (above 18pt) WCAG AA × Fail

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 51.8136, 0.3433, 0.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

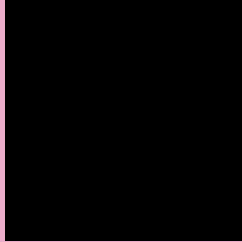
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.8136, 0.3433, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 51.8136, 0.3433, 0.2971.



This preview shows how white text looks on a background with the Yxy color 51.8136, 0.3433, 0.2971.

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

51.8136, 0.3433, 0.2971

Protanopia

52.2717, 0.2950, 0.3022

Deuteranopia

51.8472, 0.3177, 0.3111



Tritanopia

51.6577, 0.3526, 0.3134

Trichromacy



Original Color

51.8136, 0.3433, 0.2971

Protanomaly

51.8142, 0.3116, 0.3006

Deuteranomaly

51.8637, 0.3266, 0.3058

Tritanomaly

51.6596, 0.3493, 0.3068

Monochromacy



Original Color

51.8136, 0.3433, 0.2971

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

53.3195, 0.3233, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8136, 0.3433, 0.2971 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(235, 173, 202)` looks like.

```
.text, #text, p{  
    color:rgb(235, 173, 202)  
}
```

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(235, 173, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 173, 202) }
```

Border

The CSS property to change the border of an element to Yxy 51.8136, 0.3433, 0.2971 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(235, 173, 202) }
```

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

```
.border{ border-color:rgb(235, 173, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 173, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 173, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 173, 202);  
box-shadow:4px 4px 4px 4px rgb(235, 173,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8136, 0.3433, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 173, 202) }
```

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

```
.background{ background-color: rgb(235,  
173, 202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor