

Converting Colors

$Y_{xy}(33.8497, 0.3525, 0.2853)$

Have a look what the booklet for
Yxy(33.8497, 0.3525, 0.2853)
contains.

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Color

Yxy(33.8140, 0.3533, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	CF88AB
RGB	207, 136, 171
RGB Percent	81%, 53%, 67%
CMY	0.1882, 0.4667, 0.3293
CMYK	0.00, 0.34, 0.17, 0.19
HSL	330°, 43%, 67%
HSV	330°, 34%, 81%
XYZ	41.8881, 33.8140, 42.8603
YIQ	161.2190, 31.0810, 25.9370

Conversions

Conversions Part 2

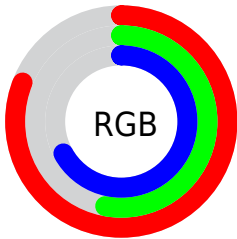
Format	Color
R _Y B	207, 136, 171
Decimal	13600939
CIE Lab	64.81, 32.16, -7.24
CIE LCh	65, 32.965, 347.313
Yxy	33.8140, 0.3533, 0.2852
Android (android.graphics.Color)	4291791019 (0xFFCF88AB)
YUV	161.2190, 4.8220, 40.1499
Hunter-Lab	58.1498, 26.8200, -2.9958

Details

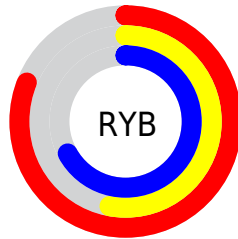
The Yxy color **33.8140, 0.3533, 0.2852** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.8359, 0.2854, 0.3778**, and the grayscale version is **35.7154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5779, 0.3377, 0.2926**, and **14.4082, 0.3652, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **28.1528, 0.3704, 0.2724**, and if you desaturate by 10%, it is **40.6359, 0.3388, 0.2984**.

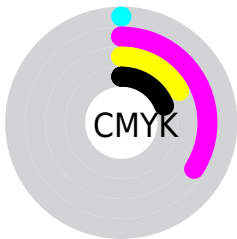
Distribution



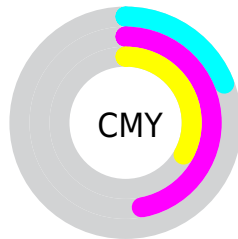
- Red (81%)
- Green (53%)
- Blue (67%)



- Red (81%)
- Yellow (53%)
- Blue (67%)



- Cyan (0%)
- Magenta (34%)
- Yellow (17%)
- Black (19%)





- Cyan (19%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8140, 0.3533, 0.2852 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 33.8140, 0.3533, 0.2852 by changing the saturation by 10% instead.


 33.8140, 0.3533,
0.2852


 33.8140, 0.3533,
0.2852


319.3019, 0.3323,
0.3075

 22.7507, 0.3588,
0.2795


 65.6443, 0.3455,
0.2934

 14.4096, 0.3660,
0.2721


 87.1802, 0.3426,
0.2965

 8.4061, 0.3758,
0.2621


 112.9757, 0.3402,
0.2990

 4.3559, 0.3899,
0.2479

143.4152, 0.3382,
0.3012

 1.8746, 0.4122,
0.2263

178.8833, 0.3364,
0.3031

 0.5330, 0.4587,
0.1776

219.7641, 0.3348,

 0.0000, 1.0000,

0.3048

0.0000

266.4422, 0.3335,
0.3062

0.0000, 0.0000,
0.0000

33.8140, 0.3533,
0.2852

33.8140, 0.3533,
0.2852

28.1528, 0.3704,
0.2724

40.6359, 0.3388,
0.2984

23.5819, 0.3903,
0.2607

48.6745, 0.3266,
0.3114

20.0304, 0.4126,
0.2514


57.9875, 0.3165,
0.3239

17.4168, 0.4368,
0.2456

68.6278, 0.3081,
0.3356

15.6474, 0.4620,
0.2445

80.6451, 0.3013,
0.3464

 14.6080, 0.4867,
0.2488

 90.7227, 0.2955,
0.3512

 14.2266, 0.5004,
0.2530

 91.3433, 0.2899,
0.3400

 92.0003, 0.2844,
0.3290

 92.0049, 0.2844,
0.3289

Harmonies

Analogous

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



33.8140, 0.3009, 0.2588



33.8140, 0.3533, 0.2852



33.8140, 0.3966, 0.3219

Triad

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



33.8140, 0.3533, 0.2852



33.8140, 0.3669, 0.4206



33.8140, 0.2200, 0.2825

Complementary

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



33.8140, 0.3533, 0.2852



52.8359, 0.2854, 0.3778

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.



33.8140, 0.2345, 0.3278



33.8140, 0.3533, 0.2852



33.8140, 0.3177, 0.4149

Square

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



33.8140, 0.3533, 0.2852



33.8140, 0.4033, 0.3990



33.8140, 0.2694, 0.3790



33.8140, 0.2275, 0.2549

Rectangle

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



33.8140, 0.3533, 0.2852



33.8140, 0.4123, 0.3489



33.8140, 0.2694, 0.3790



33.8140, 0.2224, 0.2959

Sweetspot

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



33.8156, 0.3533, 0.2852



83.9914, 0.3222, 0.3167



30.8284, 0.2826, 0.2356



17.5330, 0.3236, 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.



33.8156, 0.3533, 0.2852



47.4822, 0.3654, 0.2759



32.6519, 0.3930, 0.3292



11.9041, 0.3214, 0.3176



8.9828, 0.4973, 0.2513



0.5183, 0.4564, 0.2288

Inverse Universe

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



33.8156, 0.3533, 0.2852



47.4822, 0.3654, 0.2759



54.3632, 0.2645, 0.3289



11.9041, 0.3214, 0.3176



8.9828, 0.4973, 0.2513



0.5183, 0.4564, 0.2288

Previews

White Background



This preview shows how the Yxy color 33.8140, 0.3533, 0.2852 looks on a white background.

Color Contrast Check

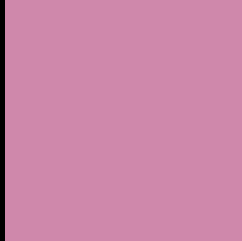
Large Text (above 18pt) WCAG AA × Fail

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 33.8140, 0.3533, 0.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

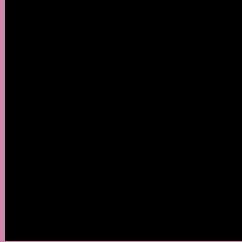
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8140, 0.3533, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 33.8140, 0.3533, 0.2852.



This preview shows how white text looks on a background with the Yxy color 33.8140, 0.3533, 0.2852.

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

33.8140, 0.3533, 0.2852

Protanopia

33.9130, 0.2849, 0.2885

Deuteranopia

33.9344, 0.3137, 0.3076



Tritanopia

33.9373, 0.3734, 0.3163

Trichromacy



Original Color

33.8140, 0.3533, 0.2852

Protanomaly

33.5202, 0.3078, 0.2874

Deuteranomaly

33.6771, 0.3274, 0.2989

Tritanomaly

34.0557, 0.3658, 0.3049

Monochromacy



Original Color

33.8140, 0.3533, 0.2852

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.6381, 0.3266, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8140, 0.3533, 0.2852 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(207, 136, 171)` looks like.

```
.text, #text, p{  
    color:rgb(207, 136, 171)  
}
```

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(207, 136, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 136, 171) }
```

Border

The CSS property to change the border of an element to Yxy 33.8140, 0.3533, 0.2852 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(207, 136, 171) }
```

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

```
.border{ border-color:rgb(207, 136, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 136, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 136, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 136, 171);  
box-shadow:4px 4px 4px 4px rgb(207, 136,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8140, 0.3533, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 136, 171) }
```

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

```
.background{ background-color: rgb(207,  
136, 171) }
```

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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