

Converting Colors

$Y_{xy}(35.3596, 0.2933, 0.2417)$

Have a look what the booklet for
Yxy(35.3596, 0.2933, 0.2417)
contains.

Yxy(35.3188, 0.2933, 0.2412)	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(35.3188, 0.2933, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	BD8FD6
RGB	189, 143, 214
RGB Percent	74%, 56%, 84%
CMY	0.2588, 0.4392, 0.1608
CMYK	0.12, 0.33, 0.00, 0.16
HSL	279°, 46%, 70%
HSV	279°, 33%, 84%
XYZ	42.9478, 35.3188, 68.1629
YIQ	164.8480, 4.6250, 31.8330

Conversions

Conversions Part 2

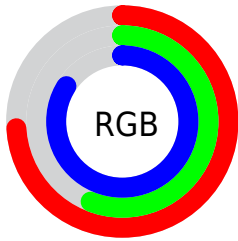
Format	Color
R _{YB}	189, 143, 214
Decimal	12423126
CIE Lab	66.00, 30.25, -29.72
CIE LCh	66, 42.405, 315.508
Yxy	35.3188, 0.2933, 0.2412
Android (android.graphics.Color)	4290613206 (0xFFBD8FD6)
YUV	164.8480, 24.2319, 21.1813
Hunter-Lab	59.4296, 24.9941, -26.4021

Details

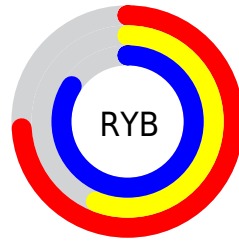
The Yxy color **35.3188, 0.2933, 0.2412** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.3915, 0.3262, 0.4219**, and the grayscale version is **37.4316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7453, 0.3087, 0.2710**, and **15.3084, 0.2865, 0.2184** is the 20% darker color. If you saturate the color by 10%, you get **28.5588, 0.2855, 0.2133**, and if you desaturate by 10%, it is **43.3571, 0.3002, 0.2690**.

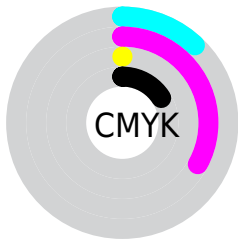
Distribution



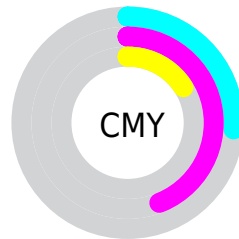
- Red (74%)
- Green (56%)
- Blue (84%)



- Red (74%)
- Yellow (56%)
- Blue (84%)



- Cyan (12%)
- Magenta (33%)
- Yellow (0%)
- Black (16%)





- Cyan (26%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3188, 0.2933, 0.2412 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 35.3188, 0.2933, 0.2412 by changing the saturation by 10% instead.


 35.3188, 0.2933,
0.2412


 35.3188, 0.2933,
0.2412


325.9733, 0.3043,
0.2840

 23.9086, 0.2902,
0.2310


 67.9793, 0.2976,
0.2564

 15.2658, 0.2860,
0.2181


 89.9984, 0.2991,
0.2622

 9.0061, 0.2802,
0.2016


116.3226, 0.3003,
0.2672

 4.7452, 0.2715,
0.1797

147.3362, 0.3014,
0.2715

 2.0985, 0.2576,
0.1495

183.4237, 0.3023,
0.2752

 0.6638, 0.2337,
0.1043

224.9694, 0.3031,

 0.0000, 0.1540,

0.2785

0.0000

272.3578, 0.3037,
0.2814

0.0000, 0.0000,
0.0000

35.3188, 0.2933,
0.2412

35.3188, 0.2933,
0.2412

28.5588, 0.2855,
0.2133

43.3571, 0.3002,
0.2690

23.0020, 0.2768,
0.1864

52.7343, 0.3062,
0.2959

18.5722, 0.2675,
0.1617


63.5126, 0.3113,
0.3213

15.1824, 0.2580,
0.1404


75.7486, 0.3155,
0.3449


12.7324, 0.2484,
0.1236

89.4961, 0.3190,
0.3665


 11.1013, 0.2393,
0.1117

 93.8973, 0.3234,
0.3708

 10.3190, 0.2333,
0.1059

 95.1998, 0.3283,
0.3702

 96.5572, 0.3332,
0.3696

 97.6344, 0.3370,
0.3691

Harmonies

Analogous

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



35.3188, 0.2387, 0.2285



35.3188, 0.2933, 0.2412



35.3188, 0.3597, 0.2721

Triad

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



35.3188, 0.2933, 0.2412



35.3188, 0.4278, 0.4119



35.3188, 0.2170, 0.3301

Complementary

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



35.3188, 0.2933, 0.2412



58.3915, 0.3262, 0.4219

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.



35.3188, 0.2606, 0.3972



35.3188, 0.2933, 0.2412



35.3188, 0.3825, 0.4438

Square

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



35.3188, 0.2933, 0.2412



35.3188, 0.4420, 0.3650



35.3188, 0.3211, 0.4419



35.3188, 0.1985, 0.2719

Rectangle

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



35.3188, 0.2933, 0.2412



35.3188, 0.4003, 0.3002



35.3188, 0.3211, 0.4419



35.3188, 0.2290, 0.3528

Sweetspot

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



35.3203, 0.2933, 0.2412



83.1340, 0.3079, 0.3039



39.0806, 0.2581, 0.2678



17.3241, 0.3071, 0.3002



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.



35.3203, 0.2933, 0.2412



45.0813, 0.2877, 0.2210



38.3239, 0.3253, 0.2570



12.4040, 0.3082, 0.3056



6.2980, 0.2345, 0.1066



0.4253, 0.2496, 0.1149

Inverse Universe

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



36.7652, 0.3623, 0.2985



47.7113, 0.3779, 0.2917



56.2086, 0.3023, 0.4137



12.4922, 0.3236, 0.3208



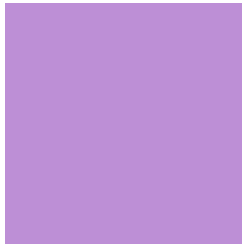
8.9684, 0.5556, 0.2834



0.5564, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 35.3188, 0.2933, 0.2412 looks on a white background.

Color Contrast Check

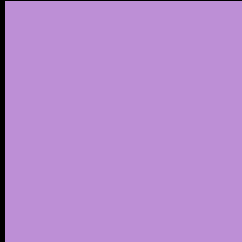
Large Text (above 18pt) WCAG AA × Fail

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 35.3188, 0.2933, 0.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

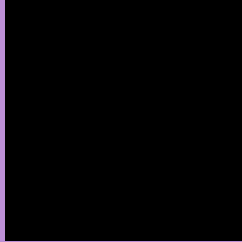
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3188, 0.2933, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 35.3188, 0.2933, 0.2412.



This preview shows how white text looks on a background with the Yxy color 35.3188, 0.2933, 0.2412.

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

35.3188, 0.2933, 0.2412

Protanopia

35.5202, 0.2465, 0.2381

Deuteranopia

35.5464, 0.2627, 0.2567



Tritanopia

35.3228, 0.3295, 0.3126

Trichromacy



Original Color

35.3188, 0.2933, 0.2412

Protanomaly

35.3255, 0.2615, 0.2389

Deuteranomaly

35.4284, 0.2734, 0.2511

Tritanomaly

35.1041, 0.3158, 0.2838

Monochromacy



Original Color

35.3188, 0.2933, 0.2412

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.5315, 0.3059, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3188, 0.2933, 0.2412 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(189, 143, 214)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 214)  
}
```

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(189, 143, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 214) }
```

Border

The CSS property to change the border of an element to Yxy 35.3188, 0.2933, 0.2412 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(189, 143, 214) }
```

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

```
.border{ border-color:rgb(189, 143, 214) }
```

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

Here you see how a box with a 4 pixel rgb(189, 143, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 214);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3188, 0.2933, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 214) }
```

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

```
.background{ background-color: rgb(189,  
143, 214) }
```

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