

Converting Colors

$Y_{xy}(33.7735, 0.3458, 0.2830)$

Have a look what the booklet for
Yxy(33.7735, 0.3458, 0.2830)
contains.

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Color

Yxy(33.6438, 0.3457, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	CB89AE
RGB	203, 137, 174
RGB Percent	80%, 54%, 68%
CMY	0.2039, 0.4627, 0.3177
CMYK	0.00, 0.33, 0.14, 0.20
HSL	326°, 39%, 67%
HSV	326°, 33%, 80%
XYZ	41.2143, 33.6438, 44.3617
YIQ	160.9520, 27.4590, 25.4990

Conversions

Conversions Part 2

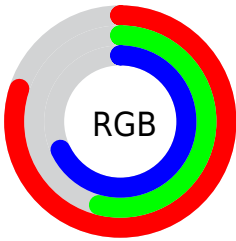
Format	Color
R _Y B	203, 137, 174
Decimal	13339054
CIE Lab	64.68, 30.69, -9.17
CIE LCh	65, 32.034, 343.373
Yxy	33.6438, 0.3457, 0.2822
Android (android.graphics.Color)	4291529134 (0xFFCB89AE)
YUV	160.9520, 6.4327, 36.8761
Hunter-Lab	58.0033, 25.3275, -4.7435

Details

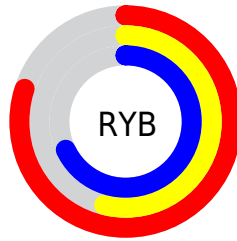
The Yxy color **33.6438, 0.3457, 0.2822** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.7863, 0.2895, 0.3813**, and the grayscale version is **35.5780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1787, 0.3352, 0.2907**, and **14.3566, 0.3555, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **28.0699, 0.3600, 0.2676**, and if you desaturate by 10%, it is **40.3297, 0.3335, 0.2971**.

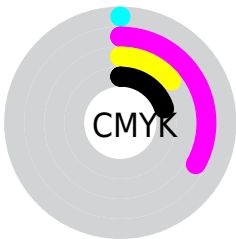
Distribution



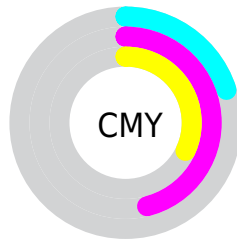
- Red (80%)
- Green (54%)
- Blue (68%)



- Red (80%)
- Yellow (54%)
- Blue (68%)



- Cyan (0%)
- Magenta (33%)
- Yellow (14%)
- Black (20%)





- Cyan (20%)
- Magenta (46%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6438, 0.3457, 0.2822 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 33.6438, 0.3457, 0.2822 by changing the saturation by 10% instead.


 33.6438, 0.3457,
0.2822


 33.6438, 0.3457,
0.2822


318.5408, 0.3288,
0.3060


 22.6201, 0.3501,
0.2762


 65.3794, 0.3394,
0.2909

 14.3132, 0.3558,
0.2683


 86.8600, 0.3371,
0.2942

 8.3388, 0.3635,
0.2578


 112.5951, 0.3352,
0.2969

 4.3125, 0.3747,
0.2430

142.9690, 0.3335,
0.2993

 1.8499, 0.3919,
0.2204

178.3661, 0.3321,
0.3013

 0.5180, 0.4287,
0.1697

219.1709, 0.3308,

 0.0000, 1.0000,

0.3030

0.0000

265.7677, 0.3297,
0.3046

■ 0.0000, 0.0000,
0.0000

■ 33.6438, 0.3457,
0.2822

■ 33.6438, 0.3457,
0.2822

■ 28.0699, 0.3600,
0.2676

■ 40.3297, 0.3335,
0.2971

■ 23.5419, 0.3764,
0.2542

■ 48.1796, 0.3232,
0.3117

■ 19.9937, 0.3948,
0.2428


■ 57.2480, 0.3146,
0.3256


■ 17.3500, 0.4147,
0.2348


■ 67.5844, 0.3075,
0.3387


■ 15.5239, 0.4356,
0.2313

■ 79.2355, 0.3016,
0.3509

 14.4115, 0.4564,
0.2330

 89.7927, 0.2966,
0.3583

 13.9067, 0.4716,
0.2372

 90.2998, 0.2918,
0.3486

 90.8330, 0.2871,
0.3390

 91.3924, 0.2825,
0.3296

Harmonies

Analogous

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



33.6438, 0.2949, 0.2581



33.6438, 0.3457, 0.2822



33.6438, 0.3899, 0.3171

Triad

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



33.6438, 0.3457, 0.2822



33.6438, 0.3713, 0.4167



33.6438, 0.2229, 0.2887

Complementary

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



33.6438, 0.3457, 0.2822



50.7863, 0.2895, 0.3813

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.



33.6438, 0.2399, 0.3345



33.6438, 0.3457, 0.2822



33.6438, 0.3242, 0.4150

Square

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



33.6438, 0.3457, 0.2822



33.6438, 0.4041, 0.3932



33.6438, 0.2762, 0.3835



33.6438, 0.2274, 0.2592

Rectangle

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



33.6438, 0.3457, 0.2822



33.6438, 0.4076, 0.3434



33.6438, 0.2762, 0.3835



33.6438, 0.2262, 0.3026

Sweetspot

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



33.6453, 0.3457, 0.2822



84.0947, 0.3210, 0.3150



30.2688, 0.2804, 0.2400



17.5580, 0.3223, 0.3130



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.



33.6453, 0.3457, 0.2822



49.6036, 0.3555, 0.2719



32.5248, 0.3820, 0.3235



11.3172, 0.3204, 0.3161



8.8684, 0.4690, 0.2357



0.4726, 0.4323, 0.2155

Inverse Universe

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



33.6453, 0.3457, 0.2822



49.6036, 0.3555, 0.2719



52.1377, 0.2693, 0.3348



11.3172, 0.3204, 0.3161



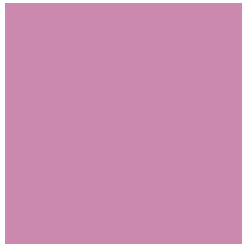
8.8684, 0.4690, 0.2357



0.4726, 0.4323, 0.2155

Previews

White Background



This preview shows how the Yxy color 33.6438, 0.3457, 0.2822 looks on a white background.

Color Contrast Check

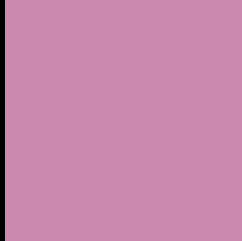
Large Text (above 18pt) WCAG AA × Fail

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 33.6438, 0.3457, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

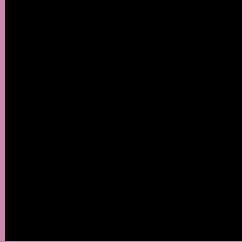
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6438, 0.3457, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 33.6438, 0.3457, 0.2822.



This preview shows how white text looks on a background with the Yxy color 33.6438, 0.3457, 0.2822.

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

33.6438, 0.3457, 0.2822

Protanopia

33.9014, 0.2825, 0.2857

Deuteranopia

33.8297, 0.3090, 0.3033



Tritanopia

33.5961, 0.3655, 0.3147

Trichromacy



Original Color

33.6438, 0.3457, 0.2822

Protanomaly

33.4183, 0.3031, 0.2832

Deuteranomaly

33.4297, 0.3214, 0.2946

Tritanomaly

33.7117, 0.3580, 0.3032

Monochromacy



Original Color

33.6438, 0.3457, 0.2822

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.4398, 0.3236, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6438, 0.3457, 0.2822 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(203, 137, 174)` looks like.

```
.text, #text, p{  
    color:rgb(203, 137, 174)  
}
```

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(203, 137, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 137, 174) }
```

Border

The CSS property to change the border of an element to Yxy 33.6438, 0.3457, 0.2822 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(203, 137, 174) }
```

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

```
.border{ border-color:rgb(203, 137, 174) }
```

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

Here you see how a box with a 4 pixel rgb(203, 137, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 137, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 137, 174);  
box-shadow:4px 4px 4px 4px rgb(203, 137,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6438, 0.3457, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 137, 174) }
```

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

```
.background{ background-color: rgb(203,  
137, 174) }
```

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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