

Converting Colors

$Y_{xy}(33.7828, 0.3480, 0.2696)$

Have a look what the booklet for
Yxy(33.7828, 0.3480, 0.2696)
contains.

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Color

Yxy(33.8358, 0.3485, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	D484B5
RGB	212, 132, 181
RGB Percent	83%, 52%, 71%
CMY	0.1687, 0.4823, 0.2903
CMYK	0.00, 0.38, 0.15, 0.17
HSL	323°, 48%, 67%
HSV	323°, 38%, 83%
XYZ	43.7380, 33.8358, 47.9299
YIQ	161.5060, 31.9510, 32.1990

Conversions

Conversions Part 2

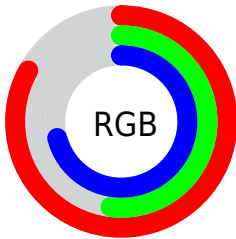
Format	Color
R _Y B	212, 132, 181
Decimal	13927605
CIE Lab	64.83, 37.61, -12.78
CIE LCh	65, 39.717, 341.237
Yxy	33.8358, 0.3485, 0.2696
Android (android.graphics.Color)	4292117685 (0xFFD484B5)
YUV	161.5060, 9.6105, 44.2832
Hunter-Lab	58.1685, 32.4226, -8.1359

Details

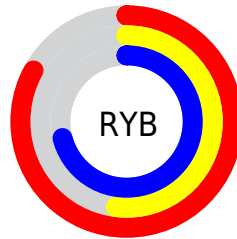
The Yxy color **33.8358, 0.3485, 0.2696** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **54.6318, 0.2887, 0.3976**, and the grayscale version is **35.8326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4922, 0.3295, 0.2779**, and **14.3638, 0.3595, 0.2522** is the 20% darker color. If you saturate the color by 10%, you get **28.3320, 0.3620, 0.2543**, and if you desaturate by 10%, it is **40.5307, 0.3368, 0.2857**.

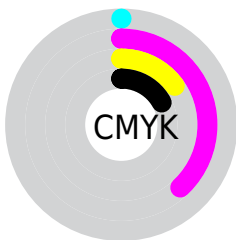
Distribution



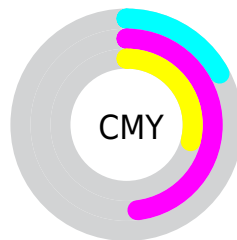
- Red (83%)
- Green (52%)
- Blue (71%)



- Red (83%)
- Yellow (52%)
- Blue (71%)



- Cyan (0%)
- Magenta (38%)
- Yellow (15%)
- Black (17%)





- Cyan (17%)
- Magenta (48%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8358, 0.3485, 0.2696 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 33.8358, 0.3485, 0.2696 by changing the saturation by 10% instead.


 33.8358, 0.3485,
0.2696


 33.8358, 0.3485,
0.2696


319.3993, 0.3304,
0.2994

 22.7675, 0.3531,
0.2622


 65.6782, 0.3419,
0.2804

 14.4219, 0.3590,
0.2527


 87.2212, 0.3394,
0.2845

 8.4147, 0.3669,
0.2400


 113.0244, 0.3373,
0.2879

 4.3614, 0.3780,
0.2225

143.4724, 0.3355,
0.2909

 1.8777, 0.3947,
0.1967

178.9494, 0.3340,
0.2934

 0.5349, 0.4274,
0.1454

219.8400, 0.3326,

 0.0000, 0.5807,

0.2956

0.0000

266.5285, 0.3315,
0.2976

0.0000, 0.0000,
0.0000

33.8358, 0.3485,
0.2696

33.8358, 0.3485,
0.2696

28.3320, 0.3620,
0.2543

40.5307, 0.3368,
0.2857

23.9431, 0.3771,
0.2407

48.4777, 0.3268,
0.3018

20.5915, 0.3937,
0.2299

57.7389, 0.3183,
0.3174

18.1871, 0.4113,
0.2231


68.3711, 0.3112,
0.3323

16.6247, 0.4291,
0.2212


80.4277, 0.3053,
0.3462


 15.7563, 0.4465,
0.2245

 91.2447, 0.3004,
0.3549

 15.6010, 0.4505,
0.2255

 91.7182, 0.2959,
0.3461

 92.2139, 0.2915,
0.3375

 92.7319, 0.2872,
0.3290

Harmonies

Analogous

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



33.8358, 0.2860, 0.2421



33.8358, 0.3485, 0.2696



33.8358, 0.4052, 0.3102

Triad

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



33.8358, 0.3485, 0.2696



33.8358, 0.3870, 0.4356



33.8358, 0.2045, 0.2816

Complementary

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



33.8358, 0.3485, 0.2696



54.6318, 0.2887, 0.3976

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.



33.8358, 0.2260, 0.3394



33.8358, 0.3485, 0.2696



33.8358, 0.3298, 0.4386

Square

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



33.8358, 0.3485, 0.2696



33.8358, 0.4265, 0.4028



33.8358, 0.2709, 0.4015



33.8358, 0.2083, 0.2451

Rectangle

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



33.8358, 0.3485, 0.2696



33.8358, 0.4288, 0.3413



33.8358, 0.2709, 0.4015



33.8358, 0.2089, 0.2989

Sweetspot

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



33.8374, 0.3485, 0.2696



82.7100, 0.3210, 0.3122



29.0118, 0.2701, 0.2228



17.2853, 0.3222, 0.3101



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.



33.8374, 0.3485, 0.2696



44.7678, 0.3588, 0.2576



32.4355, 0.3939, 0.3175



12.5473, 0.3196, 0.3148



9.6529, 0.4481, 0.2242



0.5982, 0.4204, 0.2089

Inverse Universe

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



33.8374, 0.3485, 0.2696



44.7678, 0.3588, 0.2576



56.2820, 0.2656, 0.3413



12.5473, 0.3196, 0.3148



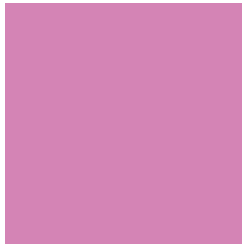
9.6529, 0.4481, 0.2242



0.5982, 0.4204, 0.2089

Previews

White Background



This preview shows how the Yxy color 33.8358, 0.3485, 0.2696 looks on a white background.

Color Contrast Check

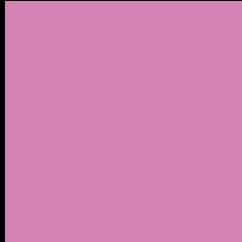
Large Text (above 18pt) WCAG AA × Fail

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 33.8358, 0.3485, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

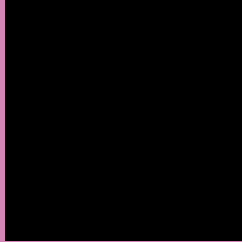
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8358, 0.3485, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 33.8358, 0.3485, 0.2696.



This preview shows how white text looks on a background with the Yxy color 33.8358, 0.3485, 0.2696.

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

33.8358, 0.3485, 0.2696

Protanopia

34.1041, 0.2715, 0.2709

Deuteranopia

34.1780, 0.3017, 0.2963



Tritanopia

33.7568, 0.3784, 0.3152

Trichromacy



Original Color

33.8358, 0.3485, 0.2696

Protanomaly

33.2870, 0.2961, 0.2691

Deuteranomaly

33.5959, 0.3178, 0.2857

Tritanomaly

33.7368, 0.3665, 0.2977

Monochromacy



Original Color

33.8358, 0.3485, 0.2696

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.7011, 0.3249, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8358, 0.3485, 0.2696 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(212, 132, 181)` looks like.

```
.text, #text, p{  
    color:rgb(212, 132, 181)  
}
```

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(212, 132, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 132, 181) }
```

Border

The CSS property to change the border of an element to Yxy 33.8358, 0.3485, 0.2696 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(212, 132, 181) }
```

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

```
.border{ border-color:rgb(212, 132, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 132, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 132, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 132, 181);  
box-shadow:4px 4px 4px 4px rgb(212, 132,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8358, 0.3485, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 132, 181) }
```

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

```
.background{ background-color: rgb(212,  
132, 181) }
```

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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