

Converting Colors

$Y_{xy}(33.5344, 0.3625, 0.2913)$

Have a look what the booklet for
Yxy(33.5344, 0.3625, 0.2913)
contains.

Yxy(33.5999, 0.3623, 0.2916)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5999, 0.3623, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	D187A5
RGB	209, 135, 165
RGB Percent	82%, 53%, 65%
CMY	0.1805, 0.4705, 0.3530
CMYK	0.00, 0.35, 0.21, 0.18
HSL	336°, 45%, 67%
HSV	336°, 35%, 82%
XYZ	41.7464, 33.5999, 39.8797
YIQ	160.5460, 34.4740, 25.0180

Conversions

Conversions Part 2

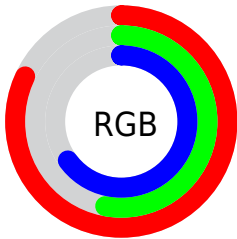
Format	Color
R _Y B	209, 135, 165
Decimal	13731749
CIE Lab	64.64, 32.47, -4.06
CIE LCh	65, 32.720, 352.881
Yxy	33.5999, 0.3623, 0.2916
Android (android.graphics.Color)	4291921829 (0xFFD187A5)
YUV	160.5460, 2.1958, 42.4942
Hunter-Lab	57.9654, 27.1152, -0.2152

Details

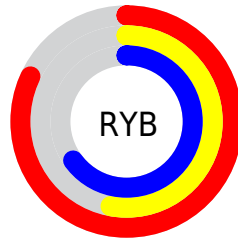
The Yxy color **33.5999, 0.3623, 0.2916** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **54.0006, 0.2806, 0.3703**, and the grayscale version is **35.3978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8225, 0.3426, 0.2975**, and **14.3052, 0.3785, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **27.8995, 0.3832, 0.2811**, and if you desaturate by 10%, it is **40.4920, 0.3448, 0.3026**.

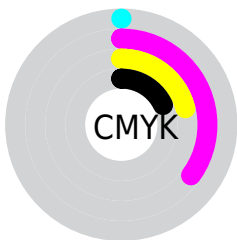
Distribution



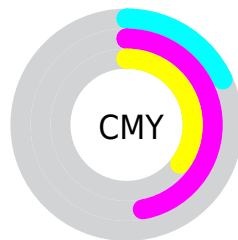
- Red (82%)
- Green (53%)
- Blue (65%)



- Red (82%)
- Yellow (53%)
- Blue (65%)



- Cyan (0%)
- Magenta (35%)
- Yellow (21%)
- Black (18%)




- Cyan (18%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5999, 0.3623, 0.2916 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 33.5999, 0.3623, 0.2916 by changing the saturation by 10% instead.


 33.5999, 0.3623,
0.2916

 33.5999, 0.3623,
0.2916


318.3443, 0.3364,
0.3109


 22.5864, 0.3691,
0.2866


 65.3110, 0.3526,
0.2988

 14.2884, 0.3782,
0.2800


 86.7774, 0.3491,
0.3014

 8.3215, 0.3906,
0.2711


 112.4969, 0.3461,
0.3036

 4.3014, 0.4088,
0.2583

142.8538, 0.3436,
0.3055

 1.8435, 0.4379,
0.2383

178.2326, 0.3414,
0.3071

 0.5141, 0.5009,
0.1890

219.0177, 0.3395,

 0.0000, 1.0000,

0.3086

0.0000

265.5935, 0.3378,
0.3098

■ 0.0000, 0.0000,
0.0000

■ 33.5999, 0.3623,
0.2916

■ 33.5999, 0.3623,
0.2916

■ 27.8995, 0.3832,
0.2811

■ 40.4920, 0.3448,
0.3026

■ 23.3176, 0.4075,
0.2717

■ 48.6341, 0.3302,
0.3134

■ 19.7801, 0.4351,
0.2647


■ 58.0863, 0.3183,
0.3237

■ 17.2020, 0.4650,
0.2614


■ 68.9033, 0.3084,
0.3334


■ 15.4847, 0.4956,
0.2627


■ 81.1369, 0.3004,
0.3423

 14.5075, 0.5248,
0.2694

 91.3386, 0.2936,
0.3451

 14.2043, 0.5377,
0.2736

 92.1010, 0.2870,
0.3320

 92.2931, 0.2855,
0.3289

Harmonies

Analogous

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



33.5999, 0.3106, 0.2630



33.5999, 0.3623, 0.2916



33.5999, 0.4017, 0.3294

Triad

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



33.5999, 0.3623, 0.2916



33.5999, 0.3582, 0.4214



33.5999, 0.2202, 0.2761

Complementary

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



33.5999, 0.3623, 0.2916



54.0006, 0.2806, 0.3703

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.



33.5999, 0.2306, 0.3185



33.5999, 0.3623, 0.2916



33.5999, 0.3083, 0.4099

Square

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



33.5999, 0.3623, 0.2916



33.5999, 0.3977, 0.4041



33.5999, 0.2619, 0.3697



33.5999, 0.2316, 0.2525

Rectangle

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



33.5999, 0.3623, 0.2916



33.5999, 0.4138, 0.3564



33.5999, 0.2619, 0.3697



33.5999, 0.2212, 0.2884

Sweetspot

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



33.6015, 0.3623, 0.2916



82.3626, 0.3248, 0.3178



31.4190, 0.2871, 0.2339



17.2026, 0.3265, 0.3164



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.



33.6015, 0.3623, 0.2916



46.1836, 0.3767, 0.2840



34.4052, 0.3940, 0.3371



11.8865, 0.3228, 0.3196



8.7778, 0.5340, 0.2715



0.5063, 0.4858, 0.2450

Inverse Universe

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



33.6015, 0.3623, 0.2916



46.1836, 0.3767, 0.2840



52.3821, 0.2621, 0.3206



11.8865, 0.3228, 0.3196



8.7778, 0.5340, 0.2715



0.5063, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 33.5999, 0.3623, 0.2916 looks on a white background.

Color Contrast Check

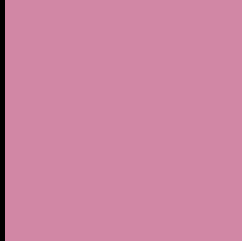
Large Text (above 18pt) WCAG AA × Fail

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 33.5999, 0.3623, 0.2916 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 33.5999, 0.3623, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 33.5999, 0.3623, 0.2916.



This preview shows how white text looks on a background with the Yxy color 33.5999, 0.3623, 0.2916.

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

33.5999, 0.3623, 0.2916

Protanopia

33.8613, 0.2916, 0.2970

Deuteranopia

33.6112, 0.3214, 0.3147



Tritanopia

33.5805, 0.3785, 0.3164

Trichromacy



Original Color

33.5999, 0.3623, 0.2916

Protanomaly

33.1956, 0.3154, 0.2942

Deuteranomaly

33.3925, 0.3356, 0.3058

Tritanomaly

33.6343, 0.3731, 0.3076

Monochromacy



Original Color

33.5999, 0.3623, 0.2916

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5301, 0.3295, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5999, 0.3623, 0.2916 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(209, 135, 165)` looks like.

```
.text, #text, p{  
    color:rgb(209, 135, 165)  
}
```

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(209, 135, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 135, 165) }
```

Border

The CSS property to change the border of an element to Yxy 33.5999, 0.3623, 0.2916 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(209, 135, 165) }
```

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

```
.border{ border-color:rgb(209, 135, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 135, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 135, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 135, 165);  
box-shadow:4px 4px 4px 4px rgb(209, 135,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5999, 0.3623, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 135, 165) }
```

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

```
.background{ background-color: rgb(209,  
135, 165) }
```

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