

Converting Colors

$Yxy(33.3083, 0.3331, 0.2604)$

Have a look what the booklet for
Yxy(33.3083, 0.3331, 0.2604)
contains.

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Color

Yxy(33.3850, 0.3337, 0.2612)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CD85BC |
| RGB | 205, 133, 188 |
| RGB Percent | 80%, 52%, 74% |
| CMY | 0.1959, 0.4785, 0.2627 |
| CMYK | 0.00, 0.35, 0.08, 0.20 |
| HSL | 314°, 42%, 66% |
| HSV | 314°, 35%, 80% |
| XYZ | 42.6515, 33.3850, 51.7774 |
| YIQ | 160.7980, 25.2570, 32.3690 |

Conversions

Conversions Part 2

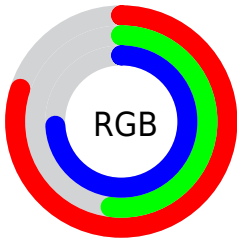
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 205, 133, 188 |
| Decimal | 13469116 |
| CIE Lab | 64.47, 35.94, -17.36 |
| CIE LCh | 64, 39.912, 334.212 |
| Yxy | 33.3850, 0.3337, 0.2612 |
| Android (android.graphics.Color) | 4291659196 (0xFFCD85BC) |
| YUV | 160.7980, 13.4106, 38.7652 |
| Hunter-Lab | 57.7798, 30.6495, -12.6850 |

Details

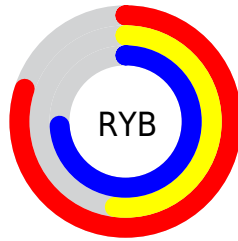
The Yxy color **33.3850, 0.3337, 0.2612** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.8725, 0.2970, 0.4082**, and the grayscale version is **35.4707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3323, 0.3240, 0.2724**, and **14.2679, 0.3393, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **28.1049, 0.3416, 0.2424**, and if you desaturate by 10%, it is **39.7710, 0.3267, 0.2808**.

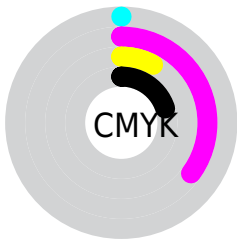
Distribution



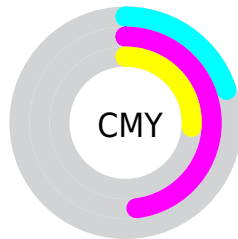
- Red (80%)
- Green (52%)
- Blue (74%)



- Red (80%)
- Yellow (52%)
- Blue (74%)



- Cyan (0%)
- Magenta (35%)
- Yellow (8%)
- Black (20%)





- Cyan (20%)
- Magenta (48%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3850, 0.3337, 0.2612 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 33.3850, 0.3337, 0.2612 by changing the saturation by 10% instead.


 33.3850, 0.3337,
0.2612

 33.3850, 0.3337,
0.2612


317.3810, 0.3235,
0.2950


 22.4215, 0.3361,
0.2529


 64.9761, 0.3301,
0.2734

 14.1670, 0.3392,
0.2422


 86.3726, 0.3287,
0.2780

 8.2369, 0.3431,
0.2282


 112.0156, 0.3275,
0.2819

 4.2469, 0.3482,
0.2089

142.2894, 0.3265,
0.2853

 1.8126, 0.3552,
0.1809

177.5784, 0.3256,
0.2882

 0.4950, 0.3697,
0.1257

218.2671, 0.3248,

 0.0000, 0.3506,

0.2907

0.0000

264.7398, 0.3241,
0.2930

0.0000, 0.0000,
0.0000

33.3850, 0.3337,
0.2612

33.3850, 0.3337,
0.2612

28.1049, 0.3416,
0.2424

39.7710, 0.3267,
0.2808

23.8619, 0.3502,
0.2254

47.3172, 0.3205,
0.3004

20.5869, 0.3594,
0.2111


56.0800, 0.3152,
0.3195


18.2003, 0.3689,
0.2005


66.1104, 0.3106,
0.3377


16.6096, 0.3784,
0.1943


77.4569, 0.3067,
0.3548


 15.7023, 0.3877,
0.1929

 89.5205, 0.3035,
0.3697

 15.4054, 0.3921,
0.1933

 89.7766, 0.3008,
0.3644

 90.0403, 0.2982,
0.3590

 90.3114, 0.2956,
0.3537

Harmonies

Analogous

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



33.3850, 0.2723, 0.2374



33.3850, 0.3337, 0.2612



33.3850, 0.3945, 0.2996

Triad

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



33.3850, 0.3337, 0.2612



33.3850, 0.3991, 0.4308



33.3850, 0.2064, 0.2931

Complementary

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



33.3850, 0.3337, 0.2612



50.8725, 0.2970, 0.4082

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.



33.3850, 0.2339, 0.3548



33.3850, 0.3337, 0.2612



33.3850, 0.3442, 0.4426

Square

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



33.3850, 0.3337, 0.2612



33.3850, 0.4327, 0.3932



33.3850, 0.2836, 0.4143



33.3850, 0.2043, 0.2508

Rectangle

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



33.3850, 0.3337, 0.2612



33.3850, 0.4233, 0.3301



33.3850, 0.2836, 0.4143



33.3850, 0.2128, 0.3122

Sweetspot

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



33.3865, 0.3337, 0.2612



82.9710, 0.3183, 0.3081



27.6442, 0.2640, 0.2284



17.3477, 0.3190, 0.3055



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.



33.3865, 0.3337, 0.2612



48.1036, 0.3394, 0.2472



32.0288, 0.3732, 0.3045



11.3566, 0.3173, 0.3115



9.6009, 0.3908, 0.1927



0.5066, 0.3744, 0.1836

Inverse Universe

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



33.3865, 0.3337, 0.2612



48.1036, 0.3394, 0.2472



52.2078, 0.2748, 0.3555



11.3566, 0.3173, 0.3115



9.6009, 0.3908, 0.1927



0.5066, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 33.3850, 0.3337, 0.2612 looks on a white background.

Color Contrast Check

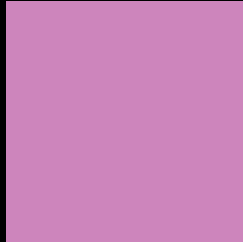
Large Text (above 18pt) WCAG AA × Fail

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 33.3850, 0.3337, 0.2612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

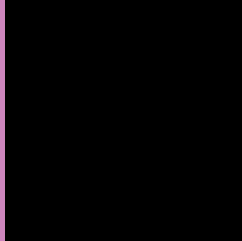
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3850, 0.3337, 0.2612

Background



This preview shows how black text looks on a background with the Yxy color 33.3850, 0.3337, 0.2612.



This preview shows how white text looks on a background with the Yxy color 33.3850, 0.3337, 0.2612.

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

33.3850, 0.3337, 0.2612

Protanopia

33.6838, 0.2638, 0.2613

Deuteranopia

33.6141, 0.2911, 0.2849



Tritanopia

33.2699, 0.3669, 0.3147

Trichromacy



Original Color

33.3850, 0.3337, 0.2612

Protanomaly

33.0516, 0.2856, 0.2596

Deuteranomaly

33.2907, 0.3063, 0.2760

Tritanomaly

33.1282, 0.3555, 0.2944

Monochromacy



Original Color

33.3850, 0.3337, 0.2612

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.4206, 0.3200, 0.3014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3850, 0.3337, 0.2612 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(205, 133, 188)` looks like.

```
.text, #text, p{  
    color:rgb(205, 133, 188)  
}
```

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(205, 133, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 133, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.3850, 0.3337, 0.2612 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(205, 133, 188) }
```

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

```
.border{ border-color:rgb(205, 133, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 133, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 133, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 133, 188);  
box-shadow:4px 4px 4px 4px rgb(205, 133,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3850, 0.3337, 0.2612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 133, 188) }
```

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

```
.background{ background-color: rgb(205,  
133, 188) }
```

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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