

Converting Colors

$Y_{xy}(33.2210, 0.3393, 0.2794)$

Have a look what the booklet for
Yxy(33.2210, 0.3393, 0.2794)
contains.

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Color

Yxy(33.1680, 0.3394, 0.2791)

Conversions

Conversions Part 1

Format	Color
Hex	C789B0
RGB	199, 137, 176
RGB Percent	78%, 54%, 69%
CMY	0.2196, 0.4627, 0.3099
CMYK	0.00, 0.31, 0.12, 0.22
HSL	322°, 36%, 66%
HSV	322°, 31%, 78%
XYZ	40.3340, 33.1680, 45.3371
YIQ	159.9840, 24.4330, 25.2730

Conversions

Conversions Part 2

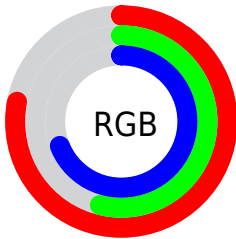
Format	Color
R_{YB}	199, 137, 176
Decimal	13076912
CIE _{Lab}	64.30, 29.63, -10.90
CIE _{LCh}	64, 31.571, 339.795
Yxy	33.1680, 0.3394, 0.2791
Android (android.graphics.Color)	4291266992 (0xFFC789B0)
YUV	159.9840, 7.8959, 34.2170
Hunter-Lab	57.5917, 24.2261, -6.3599

Details

The Yxy color **33.1680, 0.3394, 0.2791** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.7072, 0.2932, 0.3850**, and the grayscale version is **35.1011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3478, 0.3329, 0.2877**, and **14.0149, 0.3480, 0.2650** is the 20% darker color. If you saturate the color by 10%, you get **27.7390, 0.3511, 0.2629**, and if you desaturate by 10%, it is **39.6594, 0.3293, 0.2956**.

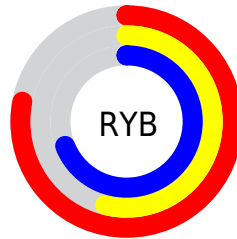
Distribution



Red (78%)

Green (54%)

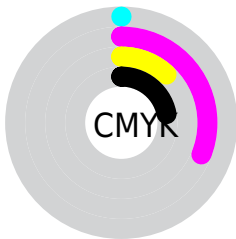
Blue (69%)



Red (78%)

Yellow (54%)

Blue (69%)

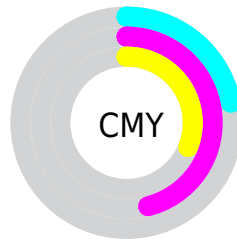


Cyan (0%)

Magenta (31%)

Yellow (12%)

Black (22%)



Cyan (22%)


Magenta (46%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1680, 0.3394, 0.2791 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 33.1680, 0.3394, 0.2791 by changing the saturation by 10% instead.


 33.1680, 0.3394,
0.2791


 33.1680, 0.3394,
0.2791


316.4061, 0.3258,
0.3044

 22.2552, 0.3429,
0.2727


 64.6377, 0.3344,
0.2884

 14.0445, 0.3474,
0.2644


 85.9634, 0.3325,
0.2918

 8.1516, 0.3534,
0.2532

 111.5289, 0.3310,
0.2948

 4.1921, 0.3621,
0.2375

141.7184, 0.3296,
0.2973

 1.7816, 0.3752,
0.2138

176.9166, 0.3285,
0.2994

 0.4757, 0.4054,
0.1579

217.5076, 0.3275,


 0.0000, 0.6220,


0.3013


0.0000


263.8760, 0.3266,
0.3029


 0.0000, 0.0000,
0.0000


 33.1680, 0.3394,
0.2791


 33.1680, 0.3394,
0.2791


 27.7390, 0.3511,
0.2629


 39.6594, 0.3293,
0.2956


 23.3101, 0.3645,
0.2477


 47.2620, 0.3207,
0.3118


 19.8197, 0.3793,
0.2346


 56.0269, 0.3135,
0.3273


 17.1972, 0.3953,
0.2247


 66.0008, 0.3074,
0.3419


 15.3620, 0.4120,
0.2191

 77.2279, 0.3024,
0.3554


 14.2182, 0.4287,
0.2184

 88.8474, 0.2982,
0.3665

 13.6255, 0.4432,
0.2215

 89.2486, 0.2942,
0.3583

 89.6674, 0.2903,
0.3502

 90.1039, 0.2864,
0.3422

Harmonies

Analogous

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



33.1680, 0.2894, 0.2568



33.1680, 0.3394, 0.2791



33.1680, 0.3848, 0.3127

Triad

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



33.1680, 0.3394, 0.2791



33.1680, 0.3756, 0.4142



33.1680, 0.2246, 0.2939

Complementary

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



33.1680, 0.3394, 0.2791



48.7072, 0.2932, 0.3850

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.



33.1680, 0.2440, 0.3405



33.1680, 0.3394, 0.2791



33.1680, 0.3300, 0.4159

Square

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



33.1680, 0.3394, 0.2791



33.1680, 0.4056, 0.3888



33.1680, 0.2819, 0.3879



33.1680, 0.2265, 0.2624

Rectangle

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



33.1680, 0.3394, 0.2791



33.1680, 0.4044, 0.3386



33.1680, 0.2819, 0.3879



33.1680, 0.2287, 0.3082

Sweetspot

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



33.1695, 0.3394, 0.2791



85.6844, 0.3191, 0.3150



29.4636, 0.2783, 0.2433



17.8794, 0.3203, 0.3126



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.



33.1695, 0.3394, 0.2791



51.7924, 0.3467, 0.2687



32.0887, 0.3732, 0.3182



10.7472, 0.3193, 0.3146



8.7785, 0.4411, 0.2203



0.4293, 0.4097, 0.2031

Inverse Universe

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



33.1695, 0.3394, 0.2791



51.7924, 0.3467, 0.2687



49.9179, 0.2735, 0.3403



10.7472, 0.3193, 0.3146



8.7785, 0.4411, 0.2203



0.4293, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 33.1680, 0.3394, 0.2791 looks on a white background.

Color Contrast Check

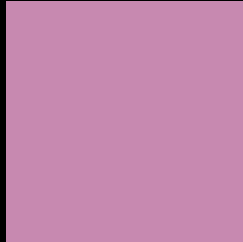
Large Text (above 18pt) WCAG AA × Fail

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 33.1680, 0.3394, 0.2791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

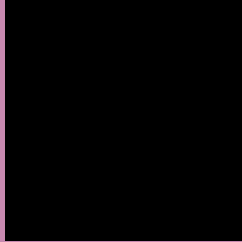
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1680, 0.3394, 0.2791

Background



This preview shows how black text looks on a background with the Yxy color 33.1680, 0.3394, 0.2791.



This preview shows how white text looks on a background with the Yxy color 33.1680, 0.3394, 0.2791.

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

33.1680, 0.3394, 0.2791

Protanopia

33.4631, 0.2791, 0.2813

Deuteranopia

33.3661, 0.3053, 0.2989



Tritanopia

33.0525, 0.3612, 0.3145

Trichromacy



Original Color

33.1680, 0.3394, 0.2791

Protanomaly

32.8560, 0.2984, 0.2787

Deuteranomaly

33.2705, 0.3175, 0.2918

Tritanomaly

33.1997, 0.3527, 0.3015

Monochromacy



Original Color

33.1680, 0.3394, 0.2791

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.2083, 0.3216, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1680, 0.3394, 0.2791 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(199, 137, 176)` looks like.

```
.text, #text, p{  
    color:rgb(199, 137, 176)  
}
```

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(199, 137, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 137, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.1680, 0.3394, 0.2791 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(199, 137, 176) }
```

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

```
.border{ border-color:rgb(199, 137, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 137, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 137, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 137, 176);  
box-shadow:4px 4px 4px 4px rgb(199, 137,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1680, 0.3394, 0.2791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 137, 176) }
```

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

```
.background{ background-color: rgb(199,  
137, 176) }
```

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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