

# Converting Colors

$Y_{xy}(35.3238, 0.3151, 0.2779)$

Have a look what the booklet for  
Yxy(35.3238, 0.3151, 0.2779)  
contains.

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# Color

**Yxy(35.3325, 0.3151, 0.2780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB94BB
RGB	187, 148, 187
RGB Percent	73%, 58%, 73%
CMY	0.2668, 0.4195, 0.2667
CMYK	0.00, 0.21, 0.00, 0.27
HSL	300°, 22%, 66%
HSV	300°, 21%, 73%
XYZ	40.0477, 35.3325, 51.7151
YIQ	164.1070, 10.7250, 20.3970

# Conversions

## Conversions Part 2

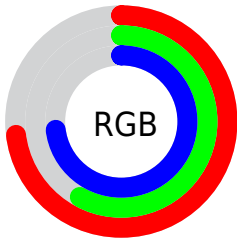
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">187, 148, 187</a>
Decimal	<a href="#">12293307</a>
CIELab	<a href="#">66.01, 21.37, -14.65</a>
CIElCh	<a href="#">66, 25.908, 325.556</a>
Yxy	<a href="#">35.3325, 0.3151, 0.2780</a>
Android (android.graphics.Color)	<a href="#">4290483387 (0xFFBB94BB)</a>
YUV	<a href="#">164.1070, 11.2862, 20.0772</a>
Hunter-Lab	<a href="#">59.4411, 16.2402, -9.9748</a>

# Details

The Yxy color **35.3325, 0.3151, 0.2780** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.9720, 0.3101, 0.3859**, and the grayscale version is **37.1194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7668, 0.3147, 0.2872**, and **15.2572, 0.3144, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **29.9329, 0.3162, 0.2535**, and if you desaturate by 10%, it is **41.6827, 0.3139, 0.3027**.

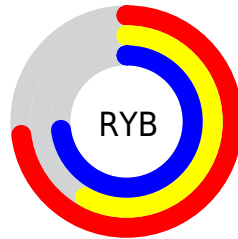
# Distribution



Red (73%)

Green (58%)

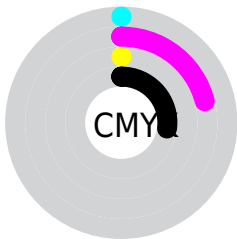
Blue (73%)



Red (73%)

Yellow (58%)

Blue (73%)

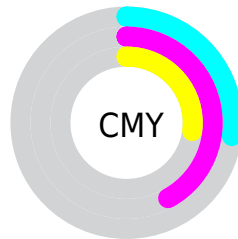


Cyan (0%)

Magenta (21%)

Yellow (0%)

Black (27%)



Cyan (27%)

Magenta (42%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3325, 0.3151, 0.2780 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 35.3325, 0.3151, 0.2780 by changing the saturation by 10% instead.





 35.3325, 0.3151,  
0.2780


 35.3325, 0.3151,  
0.2780

326.0335, 0.3143,  
0.3036

 23.9191, 0.3152,  
0.2716


 68.0005, 0.3149,  
0.2873

 15.2736, 0.3152,  
0.2633


 90.0240, 0.3148,  
0.2908

 9.0117, 0.3151,  
0.2523


116.3529, 0.3147,  
0.2938

 4.7488, 0.3147,  
0.2369

147.3717, 0.3146,  
0.2963

 2.1006, 0.3134,  
0.2141

183.4648, 0.3145,  
0.2985

 0.6650, 0.3109,  
0.1732

225.0165, 0.3144,


 0.0000, 0.1573,


0.3004


0.0000


272.4113, 0.3143,  
0.3021


 0.0000, 0.0000,  
0.0000

 35.3325, 0.3151,  
0.2780


 35.3325, 0.3151,  
0.2780


 29.9329, 0.3162,  
0.2535

 41.6827, 0.3139,  
0.3027

 25.4340, 0.3173,  
0.2300


 49.0214, 0.3128,  
0.3270

 21.7881, 0.3183,  
0.2085


 57.3898, 0.3117,  
0.3502

 18.9414, 0.3192,  
0.1898


 66.8256, 0.3107,  
0.3721

 16.8339, 0.3199,  
0.1749


 77.3645, 0.3097,  
0.3924

 15.3972, 0.3204,  
0.1640

 85.6726, 0.3091,  
0.4060

 14.5504, 0.3207,  
0.1574

 85.6731, 0.3091,  
0.4060

 14.1451, 0.3209,  
0.1541

 85.6736, 0.3091,  
0.4060

 85.6742, 0.3091,  
0.4060

# Harmonies

## Analogous

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



35.3325, 0.2770, 0.2655



35.3325, 0.3151, 0.2780



35.3325, 0.3548, 0.3021

# Triad

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



35.3325, 0.3151, 0.2780



35.3325, 0.3775, 0.3904



35.3325, 0.2464, 0.3183

# Complementary

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



35.3325, 0.3151, 0.2780



43.9720, 0.3101, 0.3859

# 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.



35.3325, 0.2703, 0.3571



35.3325, 0.3151, 0.2780



35.3325, 0.3458, 0.4006

# Square

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



35.3325, 0.3151, 0.2780



35.3325, 0.3919, 0.3650



35.3325, 0.3064, 0.3887



35.3325, 0.2393, 0.2859



# Rectangle

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



35.3325, 0.3151, 0.2780



35.3325, 0.3760, 0.3223



35.3325, 0.3064, 0.3887



35.3325, 0.2526, 0.3311

# Sweetspot

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



35.3340, 0.3151, 0.2780



80.6769, 0.3134, 0.3144



31.2737, 0.2784, 0.2731



17.5785, 0.3135, 0.3128



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.3340, 0.3151, 0.2780



58.6730, 0.3156, 0.2667



34.5806, 0.3332, 0.3019



9.6962, 0.3138, 0.3064



9.7477, 0.3209, 0.1541



0.3819, 0.3209, 0.1541



# Inverse Universe

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



33.8867, 0.3538, 0.3291



55.6146, 0.3656, 0.3291



44.6171, 0.2962, 0.3578



9.5364, 0.3288, 0.3290



7.2793, 0.6400, 0.3300



0.2851, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 35.3325, 0.3151, 0.2780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

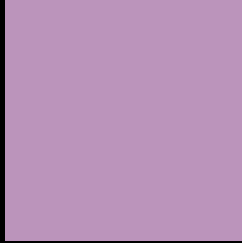
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.3325, 0.3151, 0.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

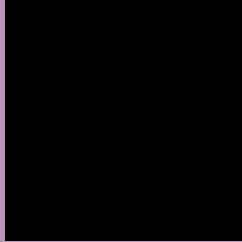
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.3325, 0.3151, 0.2780**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.3325, 0.3151, 0.2780.



This preview shows how white text looks on a background with the Yxy color 35.3325, 0.3151, 0.2780.

# 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

35.3325, 0.3151, 0.2780

### Protanopia

35.4636, 0.2783, 0.2798

### Deuteranopia

35.5092, 0.2949, 0.2899



## Tritanopia

35.3272, 0.3337, 0.3127

# Trichromacy



## Original Color

35.3325, 0.3151, 0.2780

## Protanomaly

35.2036, 0.2908, 0.2794

## Deuteranomaly

35.4270, 0.3014, 0.2853

## Tritanomaly

35.4261, 0.3270, 0.3008

# Monochromacy



## Original Color

35.3325, 0.3151, 0.2780

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

36.2029, 0.3136, 0.3095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.3325, 0.3151, 0.2780 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(187, 148, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 148, 187)  
}
```

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(187, 148, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 148, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 35.3325, 0.3151, 0.2780 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(187, 148, 187) }
```

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

```
.border{ border-color:rgb(187, 148, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 148, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 148, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 148, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 148,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.3325, 0.3151, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 148, 187) }
```

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

```
.background{ background-color: rgb(187,  
148, 187) }
```

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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