

# Converting Colors

$Y_{xy}(30.8476, 0.3392, 0.2828)$

Have a look what the booklet for  
Yxy(30.8476, 0.3392, 0.2828)  
contains.

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**Color**

**Yxy(30.9537, 0.3399, 0.2837)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF86A8
RGB	191, 134, 168
RGB Percent	75%, 53%, 66%
CMY	0.2508, 0.4746, 0.3412
CMYK	0.00, 0.30, 0.12, 0.25
HSL	324°, 31%, 64%
HSV	324°, 30%, 75%
XYZ	37.0855, 30.9537, 41.0679
YIQ	154.9190, 23.0580, 22.6580

# Conversions

## Conversions Part 2

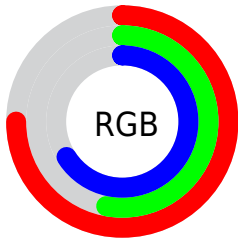
Format	Color
<b>RYB</b>	191, 134, 168
Decimal	12551848
CIELab	62.47, 27.14, -9.21
CIELCh	62, 28.658, 341.248
Yxy	30.9537, 0.3399, 0.2837
Android (android.graphics.Color)	4290741928 (0xFFBF86A8)
YUV	154.9190, 6.4489, 31.6430
Hunter-Lab	55.6360, 21.6203, -4.8199

# Details

The Yxy color **30.9537, 0.3399, 0.2837** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.7791, 0.2927, 0.3793**, and the grayscale version is **32.7052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2506, 0.3347, 0.2928**, and **12.7658, 0.3491, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **25.8644, 0.3524, 0.2682**, and if you desaturate by 10%, it is **37.0167, 0.3292, 0.2994**.

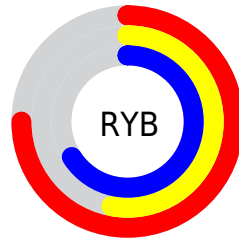
# Distribution



Red (75%)

Green (53%)

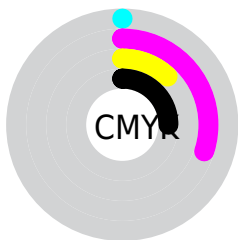
Blue (66%)



Red (75%)

Yellow (53%)

Blue (66%)

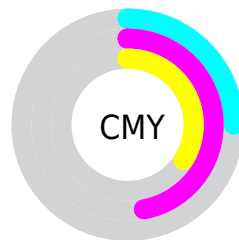


Cyan (0%)

Magenta (30%)

Yellow (12%)

Black (25%)



Cyan (25%)

Magenta (47%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9537, 0.3399, 0.2837 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 30.9537, 0.3399, 0.2837 by changing the saturation by 10% instead.





 30.9537, 0.3399,  
0.2837


 30.9537, 0.3399,  
0.2837


306.3250, 0.3258,  
0.3070

 20.5636, 0.3436,  
0.2776


 61.1672, 0.3346,  
0.2923

 12.8054, 0.3484,  
0.2697


 81.7593, 0.3327,  
0.2955

 7.2947, 0.3551,  
0.2590


 106.5209, 0.3311,  
0.2982

 3.6471, 0.3647,  
0.2435

135.8364, 0.3297,  
0.3005

 1.4782, 0.3800,  
0.2195

170.0902, 0.3285,  
0.3025

 0.2733, 0.4322,  
0.1277

209.6666, 0.3275,

 0.0000, 0.0000,

0.3042

0.0000

254.9501, 0.3266,  
0.3057

■ 30.9537, 0.3399,  
0.2837

■ 30.9537, 0.3399,  
0.2837

■ 25.8644, 0.3524,  
0.2682

■ 37.0167, 0.3292,  
0.2994

■ 21.6928, 0.3667,  
0.2536

■ 44.0970, 0.3202,  
0.3146

■ 18.3839, 0.3828,  
0.2408

■ 52.2406, 0.3126,  
0.3292

■ 15.8749, 0.4003,  
0.2310

■ 61.4895, 0.3063,  
0.3429

■ 14.0942, 0.4188,  
0.2253

■ 71.8834, 0.3011,  
0.3556

■ 12.9577, 0.4374,  
0.2246

■ 83.4600, 0.2967,  
0.3673

■ 12.3020, 0.4557,  
0.2285

■ 87.8743, 0.2927,  
0.3651

■ 12.2938, 0.4559,  
0.2285

■ 88.2973, 0.2886,  
0.3565

■ 88.7395, 0.2846,  
0.3479

# Harmonies

## Analogous

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



30.9537, 0.2933, 0.2621



30.9537, 0.3399, 0.2837



30.9537, 0.3813, 0.3158

# Triad

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



30.9537, 0.3399, 0.2837



30.9537, 0.3697, 0.4089



30.9537, 0.2300, 0.2948

# Complementary

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



30.9537, 0.3399, 0.2837



44.7791, 0.2927, 0.3793

# 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.



30.9537, 0.2473, 0.3376



30.9537, 0.3399, 0.2837



30.9537, 0.3269, 0.4087

# Square

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



30.9537, 0.3399, 0.2837



30.9537, 0.3983, 0.3866



30.9537, 0.2822, 0.3816



30.9537, 0.2327, 0.2660



# Rectangle

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



30.9537, 0.3399, 0.2837



30.9537, 0.3987, 0.3401



30.9537, 0.2822, 0.3816



30.9537, 0.2336, 0.3080

# Sweetspot

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



30.9551, 0.3399, 0.2837



79.9306, 0.3196, 0.3157



27.9587, 0.2819, 0.2479



17.1116, 0.3208, 0.3135



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



30.9551, 0.3399, 0.2837



49.1188, 0.3481, 0.2732



30.0122, 0.3718, 0.3213



9.6293, 0.3198, 0.3154



8.0924, 0.4536, 0.2272



0.3296, 0.4138, 0.2053



# Inverse Universe

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



30.9551, 0.3399, 0.2837



49.1188, 0.3481, 0.2732



45.8609, 0.2738, 0.3370



9.6293, 0.3198, 0.3154



8.0924, 0.4536, 0.2272



0.3296, 0.4138, 0.2053



# Previews

## White Background



This preview shows how the Yxy color 30.9537, 0.3399, 0.2837 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

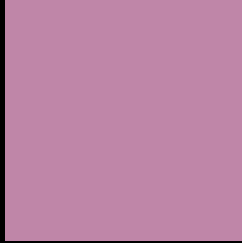
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.9537, 0.3399, 0.2837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

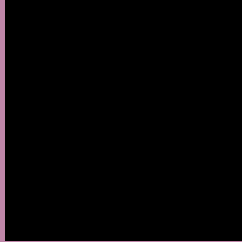
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.9537, 0.3399, 0.2837**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9537, 0.3399, 0.2837.



This preview shows how white text looks on a background with the Yxy color 30.9537, 0.3399, 0.2837.

# 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

30.9537, 0.3399, 0.2837

### Protanopia

31.1380, 0.2840, 0.2871

### Deuteranopia

31.0942, 0.3079, 0.3010



## Tritanopia

31.1339, 0.3588, 0.3154

# Trichromacy



## Original Color

30.9537, 0.3399, 0.2837

## Protanomaly

30.6839, 0.3026, 0.2856

## Deuteranomaly

30.7939, 0.3186, 0.2933

## Tritanomaly

31.2050, 0.3524, 0.3046

# Monochromacy



## Original Color

30.9537, 0.3399, 0.2837

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

31.7303, 0.3219, 0.3102

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9537, 0.3399, 0.2837 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(191, 134, 168)` looks like.

```
.text, #text, p{  
    color:rgb(191, 134, 168)  
}
```

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(191, 134, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 134, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9537, 0.3399, 0.2837 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(191, 134, 168) }
```

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

```
.border{ border-color:rgb(191, 134, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 134, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 134, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 134, 168);  
box-shadow:4px 4px 4px 4px rgb(191, 134,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9537, 0.3399, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 134, 168) }
```

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

```
.background{ background-color: rgb(191,  
134, 168) }
```

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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