

# Converting Colors

$Yxy(36.0854, 0.2949, 0.2500)$

Have a look what the booklet for  
Yxy(36.0854, 0.2949, 0.2500)  
contains.

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# Color

**Yxy(36.0854, 0.2949, 0.2500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB93D2
RGB	187, 147, 210
RGB Percent	73%, 58%, 82%
CMY	0.2665, 0.4236, 0.1765
CMYK	0.11, 0.30, 0.00, 0.18
HSL	278°, 41%, 70%
HSV	278°, 30%, 82%
XYZ	42.5663, 36.0854, 65.6899
YIQ	166.1420, 3.6170, 28.0730

# Conversions

## Conversions Part 2

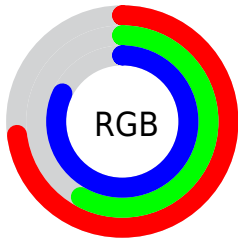
Format	Color
R <sub>Y</sub> B	187, 147, 210
Decimal	12293074
CIE Lab	66.59, 26.57, -26.61
CIE LCh	67, 37.604, 314.961
Yxy	36.0854, 0.2949, 0.2500
Android (android.graphics.Color)	4290483154 (0xFFBB93D2)
YUV	166.1420, 21.6220, 18.2925
Hunter-Lab	60.0711, 21.3605, -22.7859

# Details

The Yxy color **36.0854, 0.2949, 0.2500** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.7362, 0.3257, 0.4117**, and the grayscale version is **38.0997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2264, 0.3072, 0.2749**, and **15.7188, 0.2887, 0.2295** is the 20% darker color. If you saturate the color by 10%, you get **29.2023, 0.2870, 0.2219**, and if you desaturate by 10%, it is **44.2150, 0.3018, 0.2777**.

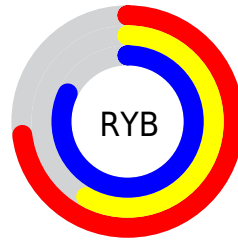
# Distribution



Red (73%)

Green (58%)

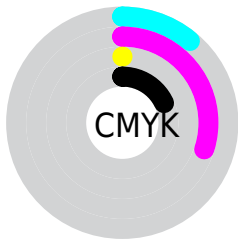
Blue (82%)



Red (73%)

Yellow (58%)

Blue (82%)

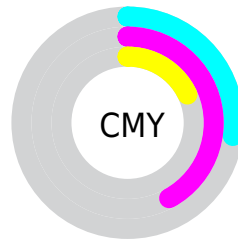


Cyan (11%)

Magenta (30%)

Yellow (0%)

Black (18%)



Cyan (27%)

Magenta (42%)


Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0854, 0.2949, 0.2500 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 36.0854, 0.2949, 0.2500 by changing the saturation by 10% instead.





 36.0854, 0.2949,  
0.2500


 36.0854, 0.2949,  
0.2500


329.3337, 0.3049,  
0.2887

 24.5002, 0.2921,  
0.2407


 69.1639, 0.2988,  
0.2638

 15.7051, 0.2884,  
0.2289


 91.4259, 0.3001,  
0.2691

 9.3157, 0.2831,  
0.2136


118.0156, 0.3013,  
0.2736

 4.9477, 0.2753,  
0.1931

149.3174, 0.3022,  
0.2774

 2.2166, 0.2628,  
0.1644

185.7157, 0.3030,  
0.2808

 0.7290, 0.2408,  
0.1213

227.5950, 0.3037,

 0.0000, 0.1587,

0.2838


0.0000


275.3395, 0.3043,  
0.2864

 0.0000, 0.0000,  
0.0000

 36.0854, 0.2949,  
0.2500

 36.0854, 0.2949,  
0.2500


 29.2023, 0.2870,  
0.2219


 44.2150, 0.3018,  
0.2777


 23.4953, 0.2783,  
0.1944

 53.6473, 0.3077,  
0.3041


 18.8941, 0.2689,  
0.1686


 64.4404, 0.3127,  
0.3290


 15.3187, 0.2591,  
0.1459


 76.6479, 0.3169,  
0.3519


 12.6778, 0.2491,  
0.1273


 90.3199, 0.3203,  
0.3729

 10.8636, 0.2395,  
0.1136

 93.4869, 0.3249,  
0.3751

 9.6792, 0.2305,  
0.1043

 94.8022, 0.3299,  
0.3744

 96.1740, 0.3349,  
0.3737

 97.4328, 0.3394,  
0.3731

# Harmonies

## Analogous

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



36.0854, 0.2463, 0.2390



36.0854, 0.2949, 0.2500



36.0854, 0.3533, 0.2777

# Triad

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



36.0854, 0.2949, 0.2500



36.0854, 0.4155, 0.4031



36.0854, 0.2282, 0.3317

# Complementary

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



36.0854, 0.2949, 0.2500



56.7362, 0.3257, 0.4117

# 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.



36.0854, 0.2680, 0.3894



36.0854, 0.2949, 0.2500



36.0854, 0.3763, 0.4301

# Square

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



36.0854, 0.2949, 0.2500



36.0854, 0.4266, 0.3616



36.0854, 0.3221, 0.4276



36.0854, 0.2108, 0.2799



# Rectangle

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



36.0854, 0.2949, 0.2500



36.0854, 0.3890, 0.3031



36.0854, 0.3221, 0.4276



36.0854, 0.2392, 0.3514

# Sweetspot

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



36.0869, 0.2949, 0.2500



84.6699, 0.3082, 0.3065



39.6386, 0.2637, 0.2747



17.6280, 0.3074, 0.3027



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.



36.0869, 0.2949, 0.2500



48.9449, 0.2900, 0.2320



38.8100, 0.3239, 0.2639



11.7848, 0.3080, 0.3057



5.9632, 0.2318, 0.1050



0.3775, 0.2482, 0.1141



# Inverse Universe

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



37.4651, 0.3551, 0.3006



51.5404, 0.3678, 0.2943



54.6719, 0.3033, 0.4042



11.8784, 0.3234, 0.3206



8.6981, 0.5504, 0.2806

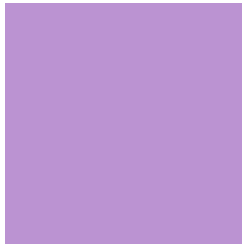


0.5014, 0.4997, 0.2527



# Previews

## White Background



This preview shows how the Yxy color 36.0854, 0.2949, 0.2500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

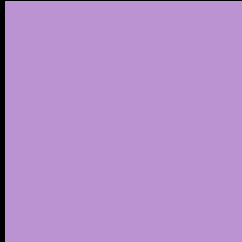
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.0854, 0.2949, 0.2500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

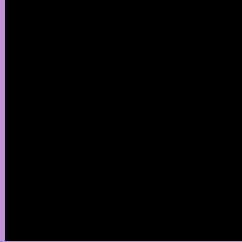
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.0854, 0.2949, 0.2500**

## Background



This preview shows how black text looks on a background with the Yxy color 36.0854, 0.2949, 0.2500.



This preview shows how white text looks on a background with the Yxy color 36.0854, 0.2949, 0.2500.

# 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

36.0854, 0.2949, 0.2500

### Protanopia

36.3287, 0.2541, 0.2484

### Deuteranopia

36.2204, 0.2688, 0.2624



## Tritanopia

35.9360, 0.3263, 0.3126

# Trichromacy



## Original Color

36.0854, 0.2949, 0.2500

## Protanomaly

35.8741, 0.2675, 0.2485

## Deuteranomaly

36.1531, 0.2776, 0.2576

## Tritanomaly

35.9426, 0.3147, 0.2877

# Monochromacy



## Original Color

36.0854, 0.2949, 0.2500

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.1723, 0.3067, 0.2977

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.0854, 0.2949, 0.2500 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, 147, 210)` looks like.

```
.text, #text, p{  
    color:rgb(187, 147, 210)  
}
```

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, 147, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 147, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 36.0854, 0.2949, 0.2500 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, 147, 210) }
```

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

```
.border{ border-color:rgb(187, 147, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 147, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 147, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 147, 210);  
box-shadow:4px 4px 4px 4px rgb(187, 147,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.0854, 0.2949, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 147, 210) }
```

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

```
.background{ background-color: rgb(187,  
147, 210) }
```

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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