

# Converting Colors

$Yxy(36.8604, 0.2968, 0.2579)$

Have a look what the booklet for  
Yxy(36.8604, 0.2968, 0.2579)  
contains.

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# Color

**Yxy(36.7568, 0.2965, 0.2569)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BA96CF
RGB	186, 150, 207
RGB Percent	73%, 59%, 81%
CMY	0.2705, 0.4118, 0.1882
CMYK	0.10, 0.28, 0.00, 0.19
HSL	278°, 37%, 70%
HSV	278°, 28%, 81%
XYZ	42.4227, 36.7568, 63.8987
YIQ	167.2620, 3.1590, 25.3590

# Conversions

## Conversions Part 2

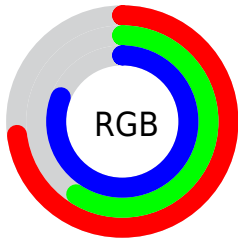
Format	Color
R <sub>Y</sub> B	186, 150, 207
Decimal	12228303
CIE Lab	67.09, 23.95, -24.18
CIE LCh	67, 34.031, 314.723
Yxy	36.7568, 0.2965, 0.2569
Android (android.graphics.Color)	4290418383 (0xFFBA96CF)
YUV	167.2620, 19.5908, 16.4332
Hunter-Lab	60.6274, 18.8036, -20.0500

# Details

The Yxy color **36.7568, 0.2965, 0.2569** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.4913, 0.3249, 0.4041**, and the grayscale version is **38.6811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4604, 0.3064, 0.2778**, and **16.0962, 0.2910, 0.2384** is the 20% darker color. If you saturate the color by 10%, you get **29.7956, 0.2888, 0.2288**, and if you desaturate by 10%, it is **44.9391, 0.3032, 0.2843**.

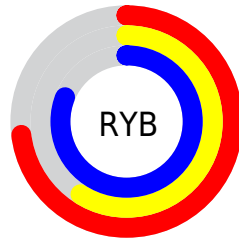
# Distribution



Red (73%)

Green (59%)

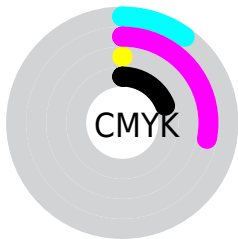
Blue (81%)



Red (73%)

Yellow (59%)

Blue (81%)

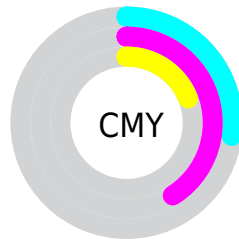


Cyan (10%)

Magenta (28%)

Yellow (0%)

Black (19%)



Cyan (27%)

Magenta (41%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7568, 0.2965, 0.2569 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 36.7568, 0.2965, 0.2569 by changing the saturation by 10% instead.




 36.7568, 0.2965,  
0.2569


 36.7568, 0.2965,  
0.2569


332.2564, 0.3055,  
0.2924

 25.0192, 0.2940,  
0.2483


 70.1986, 0.3000,  
0.2696

 16.0914, 0.2906,  
0.2374


 92.6716, 0.3012,  
0.2744

 9.5889, 0.2859,  
0.2232


119.4919, 0.3022,  
0.2785

 5.1272, 0.2789,  
0.2040

151.0439, 0.3031,  
0.2821

 2.3221, 0.2677,  
0.1768

187.7119, 0.3038,  
0.2852

 0.7854, 0.2475,  
0.1358

229.8804, 0.3045,

 0.0000, 0.1670,

0.2878

0.0000

277.9338, 0.3050,  
0.2902

0.0000, 0.0000,  
0.0000

36.7568, 0.2965,  
0.2569

36.7568, 0.2965,  
0.2569

29.7956, 0.2888,  
0.2288

44.9391, 0.3032,  
0.2843

23.9886, 0.2802,  
0.2010

54.3955, 0.3090,  
0.3104

19.2696, 0.2708,  
0.1746


65.1815, 0.3138,  
0.3348


15.5633, 0.2609,  
0.1510

77.3478, 0.3178,  
0.3573

12.7849, 0.2509,  
0.1312


90.9427, 0.3212,  
0.3777

 10.8348, 0.2411,  
0.1162


 93.1407, 0.3259,  
0.3784

 9.5747, 0.2319,  
0.1060

 94.4424, 0.3309,  
0.3776

 9.3137, 0.2297,  
0.1039

 95.8002, 0.3359,  
0.3768

 97.2146, 0.3409,  
0.3761

# Harmonies

## Analogous

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



36.7568, 0.2524, 0.2472



36.7568, 0.2965, 0.2569



36.7568, 0.3490, 0.2823

# Triad

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



36.7568, 0.2965, 0.2569



36.7568, 0.4058, 0.3964



36.7568, 0.2365, 0.3322

# Complementary

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



36.7568, 0.2965, 0.2569



55.4913, 0.3249, 0.4041

# 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.



36.7568, 0.2730, 0.3833



36.7568, 0.2965, 0.2569



36.7568, 0.3710, 0.4200

# Square

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



36.7568, 0.2965, 0.2569



36.7568, 0.4151, 0.3590



36.7568, 0.3221, 0.4171



36.7568, 0.2201, 0.2856



# Rectangle

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



36.7568, 0.2965, 0.2569



36.7568, 0.3809, 0.3055



36.7568, 0.3221, 0.4171



36.7568, 0.2467, 0.3497

# Sweetspot

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



36.7584, 0.2965, 0.2569



86.2709, 0.3087, 0.3090



40.4383, 0.2682, 0.2812



17.9465, 0.3079, 0.3051



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.



36.7584, 0.2965, 0.2569



52.1385, 0.2921, 0.2405



39.2658, 0.3219, 0.2683



11.7824, 0.3080, 0.3057



5.9225, 0.2309, 0.1046



0.3754, 0.2475, 0.1137



# Inverse Universe

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



38.0187, 0.3504, 0.3028



54.5857, 0.3613, 0.2970



53.5384, 0.3047, 0.3983



11.8792, 0.3234, 0.3205



8.7053, 0.5489, 0.2797

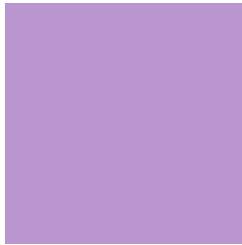


0.5019, 0.4984, 0.2519



# Previews

## White Background



This preview shows how the Yxy color 36.7568, 0.2965, 0.2569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

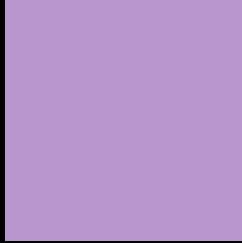
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.7568, 0.2965, 0.2569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

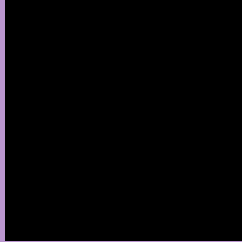
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.7568, 0.2965, 0.2569**

## Background



This preview shows how black text looks on a background with the Yxy color 36.7568, 0.2965, 0.2569.



This preview shows how white text looks on a background with the Yxy color 36.7568, 0.2965, 0.2569.

# 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

36.7568, 0.2965, 0.2569

### Protanopia

37.1365, 0.2606, 0.2575

### Deuteranopia

36.8185, 0.2743, 0.2680



## Tritanopia

36.6818, 0.3242, 0.3126

# Trichromacy



## Original Color

36.7568, 0.2965, 0.2569

## Protanomaly

36.8886, 0.2723, 0.2575

## Deuteranomaly

36.5580, 0.2816, 0.2628

## Tritanomaly

36.4752, 0.3136, 0.2903

# Monochromacy



## Original Color

36.7568, 0.2965, 0.2569

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.8658, 0.3066, 0.3004

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.7568, 0.2965, 0.2569 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(186, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(186, 150, 207)  
}
```

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(186, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 150, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 36.7568, 0.2965, 0.2569 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(186, 150, 207) }
```

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

```
.border{ border-color:rgb(186, 150, 207) }
```

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

Here you see how a box with a 4 pixel rgb(186, 150, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(186, 150,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.7568, 0.2965, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 150, 207) }
```

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

```
.background{ background-color: rgb(186,  
150, 207) }
```

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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