

# Converting Colors

$Y_{xy}(45.2849, 0.3091, 0.3048)$

Have a look what the booklet for  
Yxy(45.2849, 0.3091, 0.3048)  
contains.

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# Color

**Yxy(45.3738, 0.3095, 0.3049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDAFC2
RGB	189, 175, 194
RGB Percent	74%, 69%, 76%
CMY	0.2588, 0.3137, 0.2391
CMYK	0.03, 0.10, 0.00, 0.24
HSL	284°, 13%, 72%
HSV	284°, 10%, 76%
XYZ	46.0584, 45.3738, 57.3832
YIQ	181.3520, 2.2450, 8.8770

# Conversions

## Conversions Part 2

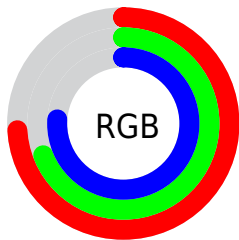
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 175, 194
Decimal	12431298
CIE Lab	73.14, 8.52, -7.86
CIE LCh	73, 11.592, 317.281
Yxy	45.3738, 0.3095, 0.3049
Android (android.graphics.Color)	4290621378 (0xFFBDAFC2)
YUV	181.3520, 6.2355, 6.7073
Hunter-Lab	67.3601, 4.1716, -3.3563

# Details

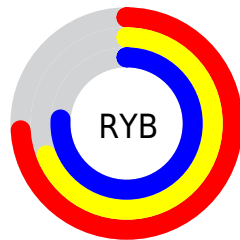
The Yxy color  $45.3738, 0.3095, 0.3049$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $51.3938, 0.3156, 0.3537$ , and the grayscale version is  $46.3759, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.4664, 0.3102, 0.3102$ , and  $21.2936, 0.3093, 0.2998$  is the 20% darker color. If you saturate the color by 10%, you get  $37.7160, 0.3056, 0.2790$ , and if you desaturate by 10%, it is  $54.1436, 0.3128, 0.3295$ .

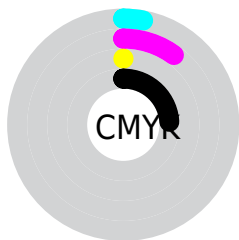
# Distribution



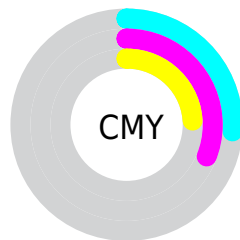
- Red (74%)
- Green (69%)
- Blue (76%)



- Red (74%)
- Yellow (69%)
- Blue (76%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (26%)
- Magenta (31%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3738, 0.3095, 0.3049 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 45.3738, 0.3095, 0.3049 by changing the saturation by 10% instead.



■ 45.3738, 0.3095,  
0.3049

■ 45.3738, 0.3095,  
0.3049

368.2854, 0.3112,  
0.3168

■ 31.7520, 0.3091,  
0.3020

■ 83.2811, 0.3101,  
0.3092

■ 21.1721, 0.3085,  
0.2982

108.3353, 0.3104,  
0.3108

■ 13.2499, 0.3076,  
0.2933

137.9690, 0.3106,  
0.3122

■ 7.6008, 0.3065,  
0.2865

172.5668, 0.3107,  
0.3134

■ 3.8406, 0.3046,  
0.2764

212.5129, 0.3109,  
0.3144

■ 1.5848, 0.3012,  
0.2603

258.1918, 0.3110,

■ 0.3473, 0.2967,

0.3153

0.1915

309.9878, 0.3111,  
0.3161

0.0000, 0.0000,  
0.0000

45.3738, 0.3095,  
0.3049

45.3738, 0.3095,  
0.3049

37.7160, 0.3056,  
0.2790

54.1436, 0.3128,  
0.3295

31.1182, 0.3009,  
0.2523

64.0632, 0.3154,  
0.3524

25.5327, 0.2956,  
0.2255

75.1756, 0.3176,  
0.3734

20.9058, 0.2896,  
0.1996

87.5200, 0.3193,  
0.3927

17.1790, 0.2830,  
0.1757

89.7966, 0.3223,  
0.3943

■ 14.2871, 0.2760,  
0.1549

■ 90.5800, 0.3256,  
0.3937

■ 12.1559, 0.2689,  
0.1382

■ 91.3879, 0.3289,  
0.3930

■ 10.6979, 0.2619,  
0.1261

■ 92.2203, 0.3322,  
0.3923

■ 9.7470, 0.2550,  
0.1179

■ 93.0774, 0.3356,  
0.3917

# Harmonies

## Analogous

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



45.3738, 0.2943, 0.3014



45.3738, 0.3095, 0.3049



45.3738, 0.3260, 0.3144

# Triad

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



45.3738, 0.3095, 0.3049



45.3738, 0.3420, 0.3527



45.3738, 0.2869, 0.3296

# Complementary

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



45.3738, 0.3095, 0.3049



51.3938, 0.3156, 0.3537

# 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.



45.3738, 0.2992, 0.3443



45.3738, 0.3095, 0.3049



45.3738, 0.3310, 0.3578

# Square

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



45.3738, 0.3095, 0.3049



45.3738, 0.3450, 0.3416



45.3738, 0.3153, 0.3548



45.3738, 0.2815, 0.3151



# Rectangle

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



45.3738, 0.3095, 0.3049



45.3738, 0.3354, 0.3230



45.3738, 0.3153, 0.3548



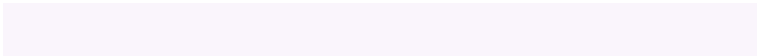
45.3738, 0.2904, 0.3347

# Sweetspot

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



45.3757, 0.3095, 0.3049



92.6953, 0.3118, 0.3217



45.6811, 0.2976, 0.3108



20.0105, 0.3115, 0.3197



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.



45.3757, 0.3095, 0.3049



78.7002, 0.3086, 0.2988



45.8311, 0.3175, 0.3107



10.1098, 0.3097, 0.3060



6.4369, 0.2558, 0.1183



0.3100, 0.2710, 0.1266

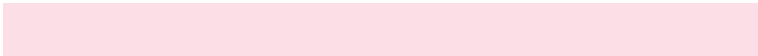


# Inverse Universe

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



45.4271, 0.3255, 0.3227



78.8257, 0.3290, 0.3211



50.9806, 0.3083, 0.3480



10.1205, 0.3248, 0.3230



7.7101, 0.5862, 0.3003

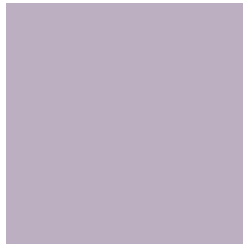


0.3449, 0.5205, 0.2641



# Previews

## White Background



This preview shows how the Yxy color 45.3738, 0.3095, 0.3049 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

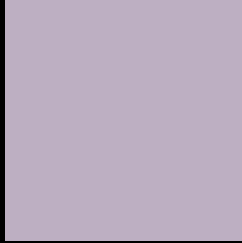
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.3738, 0.3095, 0.3049 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

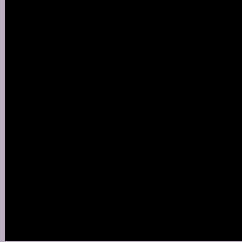
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

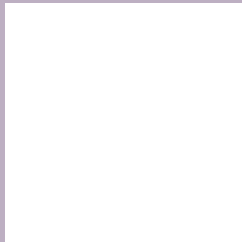
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.3738, 0.3095, 0.3049**

## Background



This preview shows how black text looks on a background with the Yxy color 45.3738, 0.3095, 0.3049.



This preview shows how white text looks on a background with the Yxy color 45.3738, 0.3095, 0.3049.

# 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

45.3738, 0.3095, 0.3049

### Protanopia

45.2913, 0.2986, 0.3057

### Deuteranopia

45.5021, 0.3104, 0.3050



## Tritanopia

45.4597, 0.3118, 0.3111

# Trichromacy



## Original Color

45.3738, 0.3095, 0.3049

## Protanomaly

45.3295, 0.3027, 0.3059

## Deuteranomaly

45.5021, 0.3104, 0.3050

## Tritanomaly

45.5036, 0.3110, 0.3099

# Monochromacy



## Original Color

45.3738, 0.3095, 0.3049

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.9757, 0.3114, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.3738, 0.3095, 0.3049 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(189, 175, 194)` looks like.

```
.text, #text, p{  
    color:rgb(189, 175, 194)  
}
```

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(189, 175, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 175, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 45.3738, 0.3095, 0.3049 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(189, 175, 194) }
```

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

```
.border{ border-color:rgb(189, 175, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 175, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 175, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 175, 194);  
box-shadow:4px 4px 4px 4px rgb(189, 175,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.3738, 0.3095, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 175, 194) }
```

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

```
.background{ background-color: rgb(189,  
175, 194) }
```

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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