

# Converting Colors

$Yxy(45.1644, 0.3138, 0.3124)$

Have a look what the booklet for  
Yxy(45.1644, 0.3138, 0.3124)  
contains.

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# Color

**Yxy(45.1096, 0.3144, 0.3124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDAFBC
RGB	189, 175, 188
RGB Percent	74%, 69%, 74%
CMY	0.2587, 0.3137, 0.2628
CMYK	0.00, 0.07, 0.01, 0.26
HSL	304°, 10%, 71%
HSV	304°, 7%, 74%
XYZ	45.3984, 45.1096, 53.8889
YIQ	180.6680, 4.1710, 7.0110

# Conversions

## Conversions Part 2

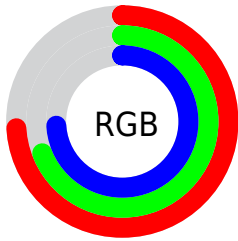
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 175, 188
Decimal	12431292
CIE Lab	72.96, 7.38, -4.82
CIE LCh	73, 8.811, 326.874
Yxy	45.1096, 0.3144, 0.3124
Android (android.graphics.Color)	4290621372 (0xFFBDAFBC)
YUV	180.6680, 3.6147, 7.3072
Hunter-Lab	67.1637, 3.1183, -0.5569

# Details

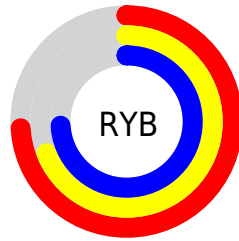
The Yxy color  $45.1096, 0.3144, 0.3124$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $48.6575, 0.3111, 0.3462$ , and the grayscale version is  $46.0010, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.0960, 0.3140, 0.3160$ , and  $21.1494, 0.3149, 0.3082$  is the 20% darker color. If you saturate the color by 10%, you get  $38.2016, 0.3169, 0.2894$ , and if you desaturate by 10%, it is  $53.0521, 0.3122, 0.3346$ .

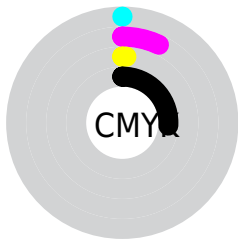
# Distribution



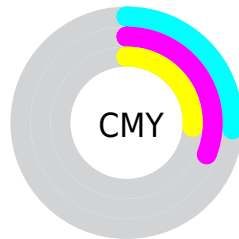
- Red (74%)
- Green (69%)
- Blue (74%)



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



- Cyan (0%)
- Magenta (7%)
- Yellow (1%)
- Black (26%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1096, 0.3144, 0.3124 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 45.1096, 0.3144, 0.3124 by changing the saturation by 10% instead.





 45.1096, 0.3144,  
0.3124

 45.1096, 0.3144,  
0.3124


367.2173, 0.3136,  
0.3207

 31.5438, 0.3146,  
0.3104


 82.8849, 0.3141,  
0.3154

 21.0133, 0.3148,  
0.3077


107.8631, 0.3140,  
0.3165

 13.1337, 0.3151,  
0.3043


137.4142, 0.3139,  
0.3175

 7.5207, 0.3155,  
0.2994

171.9226, 0.3138,  
0.3183

 3.7898, 0.3160,  
0.2923

211.7727, 0.3138,  
0.3190

 1.5567, 0.3168,  
0.2806

257.3490, 0.3137,

 0.3281, 0.3250,

0.3196

0.2167

309.0357, 0.3137,  
0.3202

0.0000, 0.0000,  
0.0000

45.1096, 0.3144,  
0.3124

45.1096, 0.3144,  
0.3124

38.2016, 0.3169,  
0.2894

53.0521, 0.3122,  
0.3346

32.2797, 0.3196,  
0.2663

62.0633, 0.3102,  
0.3557

27.3003, 0.3225,  
0.2436

72.1831, 0.3084,  
0.3754

23.2144, 0.3256,  
0.2224

83.4476, 0.3069,  
0.3937

19.9683, 0.3287,  
0.2035

86.2809, 0.3060,  
0.3965

■ 17.5030, 0.3317,  
0.1879

■ 86.3441, 0.3053,  
0.3948

■ 15.7514, 0.3346,  
0.1762

■ 86.4080, 0.3045,  
0.3932

■ 14.6354, 0.3373,  
0.1688

■ 86.4724, 0.3038,  
0.3916

■ 14.0421, 0.3397,  
0.1655

■ 86.5374, 0.3030,  
0.3900

# Harmonies

## Analogous

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



45.1096, 0.3021, 0.3081



45.1096, 0.3144, 0.3124



45.1096, 0.3265, 0.3209

# Triad

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



45.1096, 0.3144, 0.3124



45.1096, 0.3329, 0.3489



45.1096, 0.2910, 0.3258

# Complementary

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



45.1096, 0.3144, 0.3124



48.6575, 0.3111, 0.3462

# 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.



45.1096, 0.2990, 0.3372



45.1096, 0.3144, 0.3124



45.1096, 0.3231, 0.3507

# Square

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



45.1096, 0.3144, 0.3124



45.1096, 0.3372, 0.3418



45.1096, 0.3107, 0.3465



45.1096, 0.2888, 0.3156



# Rectangle

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



45.1096, 0.3144, 0.3124



45.1096, 0.3327, 0.3279



45.1096, 0.3107, 0.3465



45.1096, 0.2931, 0.3297

# Sweetspot

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



45.1115, 0.3144, 0.3124



88.1986, 0.3132, 0.3245



43.5556, 0.3023, 0.3105



18.9988, 0.3131, 0.3247



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.



45.1115, 0.3144, 0.3124



78.5098, 0.3148, 0.3085



44.8202, 0.3201, 0.3212



9.6838, 0.3149, 0.3080



9.3689, 0.3401, 0.1647



0.3706, 0.3350, 0.1619



# Inverse Universe

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



45.1115, 0.3144, 0.3124



78.5098, 0.3148, 0.3085



48.9385, 0.3059, 0.3370



9.6838, 0.3149, 0.3080



9.3689, 0.3401, 0.1647

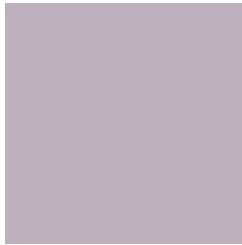


0.3706, 0.3350, 0.1619



# Previews

## White Background



This preview shows how the Yxy color 45.1096, 0.3144, 0.3124 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 45.1096, 0.3144, 0.3124 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

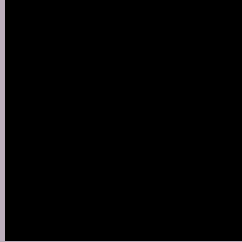
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.1096, 0.3144, 0.3124**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.1096, 0.3144, 0.3124.



This preview shows how white text looks on a background with the Yxy color 45.1096, 0.3144, 0.3124.

# 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

45.1096, 0.3144, 0.3124

### Protanopia

45.1422, 0.3041, 0.3133

### Deuteranopia

45.1094, 0.3171, 0.3113



## Tritanopia

45.1529, 0.3136, 0.3112

# Trichromacy



## Original Color

45.1096, 0.3144, 0.3124

## Protanomaly

45.1857, 0.3083, 0.3135

## Deuteranomaly

44.9793, 0.3162, 0.3112

## Tritanomaly

45.1529, 0.3136, 0.3112

# Monochromacy



## Original Color

45.1096, 0.3144, 0.3124

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

45.8912, 0.3130, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.1096, 0.3144, 0.3124 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(189, 175, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 175, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 45.1096, 0.3144, 0.3124 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, 188) }
```

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

```
.border{ border-color:rgb(189, 175, 188) }
```

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, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 175, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 175, 188);  
box-shadow:4px 4px 4px 4px rgb(189, 175,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.1096, 0.3144, 0.3124 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, 188) }
```

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

```
.background{ background-color: rgb(189,  
175, 188) }
```

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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