

# Converting Colors

$Y_{xy}(44.4958, 0.3080, 0.3057)$

Have a look what the booklet for  
Yxy(44.4958, 0.3080, 0.3057)  
contains.

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# Color

**Yxy(44.5170, 0.3086, 0.3059)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BAAEC0
RGB	186, 174, 192
RGB Percent	73%, 68%, 75%
CMY	0.2704, 0.3177, 0.2470
CMYK	0.03, 0.09, 0.00, 0.25
HSL	280°, 13%, 72%
HSV	280°, 9%, 75%
XYZ	44.9099, 44.5170, 56.1010
YIQ	179.6400, 1.3740, 8.1420

# Conversions

## Conversions Part 2

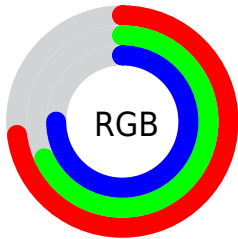
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 174, 192
Decimal	12234432
CIE Lab	72.57, 7.66, -7.63
CIE LCh	73, 10.808, 315.125
Yxy	44.5170, 0.3086, 0.3059
Android (android.graphics.Color)	4290424512 (0xFFBAAEC0)
YUV	179.6400, 6.0935, 5.5777
Hunter-Lab	66.7211, 3.3864, -3.1480

# Details

The Yxy color  $44.5170, 0.3086, 0.3059$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $50.4572, 0.3165, 0.3525$ , and the grayscale version is  $45.4094, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $81.6932, 0.3095, 0.3100$ , and  $20.7697, 0.3069, 0.2994$  is the 20% darker color. If you saturate the color by 10%, you get  $36.8451, 0.3034, 0.2798$ , and if you desaturate by 10%, it is  $53.2886, 0.3130, 0.3305$ .

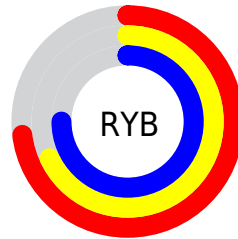
# Distribution



Red (73%)

Green (68%)

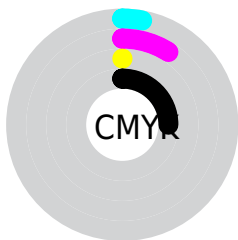
Blue (75%)



Red (73%)

Yellow (68%)

Blue (75%)

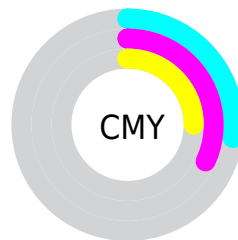


Cyan (3%)

Magenta (9%)

Yellow (0%)

Black (25%)



Cyan (27%)

Magenta (32%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5170, 0.3086, 0.3059 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 44.5170, 0.3086, 0.3059 by changing the saturation by 10% instead.



■ 44.5170, 0.3086,  
0.3059

■ 44.5170, 0.3086,  
0.3059

364.8139, 0.3107,  
0.3174

■ 31.0772, 0.3080,  
0.3031

■ 81.9951, 0.3094,  
0.3100

■ 20.6576, 0.3073,  
0.2994

106.8022, 0.3097,  
0.3116

■ 12.8740, 0.3063,  
0.2946

136.1672, 0.3099,  
0.3129

■ 7.3418, 0.3048,  
0.2880

170.4744, 0.3102,  
0.3141

■ 3.6768, 0.3026,  
0.2781

210.1083, 0.3103,  
0.3151

■ 1.4944, 0.2985,  
0.2621

255.4532, 0.3105,

■ 0.2848, 0.2886,

0.3159

0.1796

306.8936, 0.3106,  
0.3167

0.0000, 0.0000,  
0.0000

44.5170, 0.3086,  
0.3059

44.5170, 0.3086,  
0.3059

36.8451, 0.3034,  
0.2798

53.2886, 0.3130,  
0.3305

30.2219, 0.2974,  
0.2526

63.1966, 0.3166,  
0.3532

24.6009, 0.2904,  
0.2251

74.2833, 0.3195,  
0.3740

19.9298, 0.2827,  
0.1981

86.5869, 0.3219,  
0.3929

16.1515, 0.2743,  
0.1729

90.2017, 0.3255,  
0.3961

■ 13.2024, 0.2654,  
0.1506

■ 91.1985, 0.3297,  
0.3953

■ 11.0105, 0.2565,  
0.1323

■ 92.2333, 0.3338,  
0.3944

■ 9.4911, 0.2477,  
0.1187

■ 93.3064, 0.3380,  
0.3935

■ 8.4905, 0.2393,  
0.1094

■ 94.4182, 0.3423,  
0.3926

# Harmonies

## Analogous

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



44.5170, 0.2945, 0.3031



44.5170, 0.3086, 0.3059



44.5170, 0.3241, 0.3145

# Triad

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



44.5170, 0.3086, 0.3059



44.5170, 0.3406, 0.3507



44.5170, 0.2891, 0.3306

# Complementary

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



44.5170, 0.3086, 0.3059



50.4572, 0.3165, 0.3525

# 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.



44.5170, 0.3010, 0.3442



44.5170, 0.3086, 0.3059



44.5170, 0.3308, 0.3559

# Square

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



44.5170, 0.3086, 0.3059



44.5170, 0.3429, 0.3399



44.5170, 0.3163, 0.3536



44.5170, 0.2835, 0.3169



# Rectangle

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



44.5170, 0.3086, 0.3059



44.5170, 0.3331, 0.3224



44.5170, 0.3163, 0.3536



44.5170, 0.2925, 0.3354

# Sweetspot

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



44.5189, 0.3086, 0.3059



90.4909, 0.3115, 0.3217



45.4442, 0.2983, 0.3132



19.1337, 0.3111, 0.3197



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.



44.5189, 0.3086, 0.3059



78.0240, 0.3077, 0.3013



45.1497, 0.3163, 0.3100



10.0752, 0.3086, 0.3059



5.7186, 0.2398, 0.1095



0.2833, 0.2584, 0.1197

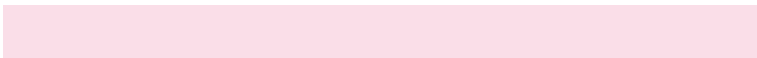


# Inverse Universe

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



44.7685, 0.3238, 0.3214



78.5647, 0.3262, 0.3199



49.8757, 0.3094, 0.3488



10.1316, 0.3238, 0.3214



7.7991, 0.5624, 0.2872



0.3499, 0.4985, 0.2520



# Previews

## White Background



This preview shows how the Yxy color 44.5170, 0.3086, 0.3059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

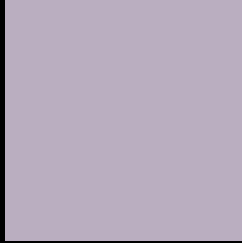
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5170, 0.3086, 0.3059 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 44.5170, 0.3086, 0.3059**

## Background



This preview shows how black text looks on a background with the Yxy color 44.5170, 0.3086, 0.3059.



This preview shows how white text looks on a background with the Yxy color 44.5170, 0.3086, 0.3059.

# 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

44.5170, 0.3086, 0.3059

### Protanopia

44.6864, 0.2993, 0.3068

### Deuteranopia

44.5117, 0.3112, 0.3048



## Tritanopia

44.6051, 0.3109, 0.3122

# Trichromacy



## Original Color

44.5170, 0.3086, 0.3059

## Protanomaly

44.6042, 0.3026, 0.3069

## Deuteranomaly

44.3843, 0.3103, 0.3048

## Tritanomaly

44.6484, 0.3101, 0.3110

# Monochromacy



## Original Color

44.5170, 0.3086, 0.3059

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.2466, 0.3114, 0.3212

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5170, 0.3086, 0.3059 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, 174, 192)` looks like.

```
.text, #text, p{  
    color:rgb(186, 174, 192)  
}
```

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, 174, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 174, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5170, 0.3086, 0.3059 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, 174, 192) }
```

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

```
.border{ border-color:rgb(186, 174, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 174, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 174, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 174, 192);  
box-shadow:4px 4px 4px 4px rgb(186, 174,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5170, 0.3086, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 174, 192) }
```

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

```
.background{ background-color: rgb(186,  
174, 192) }
```

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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