

# Converting Colors

Yxy(52.8794, 0.3145, 0.3088)

Have a look what the booklet for  
Yxy(52.8794, 0.3145, 0.3088)  
contains.

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# Color

**Yxy(52.8794, 0.3145, 0.3088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDBBCC
RGB	205, 187, 204
RGB Percent	80%, 73%, 80%
CMY	0.1959, 0.2667, 0.1999
CMYK	0.00, 0.09, 0.00, 0.20
HSL	303°, 15%, 77%
HSV	303°, 9%, 80%
XYZ	53.8555, 52.8794, 64.5067
YIQ	194.3200, 5.2710, 9.1030

# Conversions

## Conversions Part 2

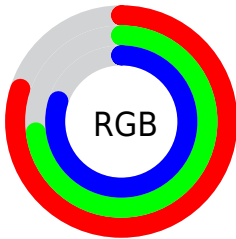
Format	Color
RYB	205, 187, 204
Decimal	13482956
CIELab	77.80, 9.42, -6.24
CIELCh	78, 11.301, 326.458
Yxy	52.8794, 0.3145, 0.3088
Android (android.graphics.Color)	4291673036 (0xFFCDBBCC)
YUV	194.3200, 4.7722, 9.3664
Hunter-Lab	72.7182, 4.9411, -1.6921

# Details

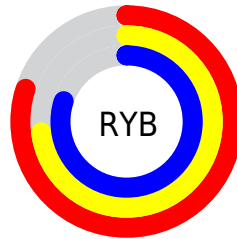
The Yxy color **52.8794, 0.3145, 0.3088** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.8755, 0.3110, 0.3501**, and the grayscale version is **54.1211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **25.8315, 0.3150, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **44.7395, 0.3167, 0.2852**, and if you desaturate by 10%, it is **62.2663, 0.3125, 0.3317**.

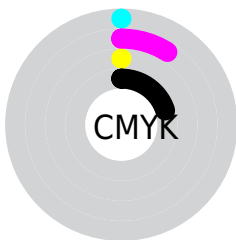
# Distribution



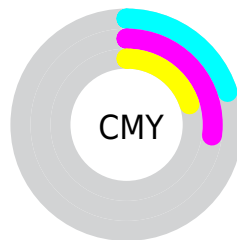
- Red (80%)
- Green (73%)
- Blue (80%)



- Red (80%)
- Yellow (73%)
- Blue (80%)



- Cyan (0%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)




- Cyan (20%)
- Magenta (27%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8794, 0.3145, 0.3088 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 52.8794, 0.3145, 0.3088 by changing the saturation by 10% instead.




 52.8794, 0.3145,  
0.3088

 52.8794, 0.3145,  
0.3088

397.8223, 0.3137,  
0.3185

 37.7065, 0.3147,  
0.3065

 94.4269, 0.3142,  
0.3123

 25.7550, 0.3149,  
0.3035


121.5703, 0.3141,  
0.3136

 16.6404, 0.3152,  
0.2997

153.4726, 0.3140,  
0.3147

 9.9785, 0.3155,  
0.2946

190.5183, 0.3139,  
0.3157

 5.3847, 0.3159,  
0.2872

233.0917, 0.3139,  
0.3165

 2.4747, 0.3164,  
0.2759

281.5772, 0.3138,

 0.8639, 0.3170,

0.3173

0.2562

336.3593, 0.3137,  
0.3180

0.0000, 0.0000,  
0.0000

52.8794, 0.3145,  
0.3088

52.8794, 0.3145,  
0.3088

44.7395, 0.3167,  
0.2852

62.2663, 0.3125,  
0.3317

37.7874, 0.3191,  
0.2616

72.9426, 0.3107,  
0.3535

31.9693, 0.3216,  
0.2387

84.9572, 0.3091,  
0.3739

27.2245, 0.3242,  
0.2174

89.0904, 0.3082,  
0.3792

23.4868, 0.3268,  
0.1988

89.1478, 0.3075,  
0.3779

■ 20.6826, 0.3293,  
0.1835

■ 89.2056, 0.3069,  
0.3766

■ 18.7283, 0.3316,  
0.1724

■ 89.2638, 0.3062,  
0.3753

■ 17.5254, 0.3336,  
0.1656

■ 89.3224, 0.3056,  
0.3740

■ 16.9155, 0.3355,  
0.1626

■ 89.3814, 0.3050,  
0.3727

# Harmonies

## Analogous

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



52.8794, 0.2996, 0.3037



52.8794, 0.3145, 0.3088



52.8794, 0.3292, 0.3190

# Triad

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



52.8794, 0.3145, 0.3088



52.8794, 0.3374, 0.3531



52.8794, 0.2865, 0.3252

# Complementary

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



52.8794, 0.3145, 0.3088



57.8755, 0.3110, 0.3501

# 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.



52.8794, 0.2962, 0.3392



52.8794, 0.3145, 0.3088



52.8794, 0.3255, 0.3556

# Square

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



52.8794, 0.3145, 0.3088



52.8794, 0.3426, 0.3443



52.8794, 0.3104, 0.3505



52.8794, 0.2837, 0.3127



# Rectangle

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



52.8794, 0.3145, 0.3088



52.8794, 0.3369, 0.3274



52.8794, 0.3104, 0.3505



52.8794, 0.2890, 0.3299

# Sweetspot

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



52.8817, 0.3145, 0.3088



95.1880, 0.3133, 0.3221



50.6240, 0.2999, 0.3067



20.1059, 0.3135, 0.3203



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.



52.8817, 0.3145, 0.3088



83.2893, 0.3150, 0.3033



52.4663, 0.3214, 0.3193



11.3924, 0.3146, 0.3074



10.4939, 0.3354, 0.1622



0.5448, 0.3323, 0.1604



# Inverse Universe

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



52.8817, 0.3145, 0.3088



83.2893, 0.3150, 0.3033



58.2717, 0.3048, 0.3389



11.3924, 0.3146, 0.3074



10.4939, 0.3354, 0.1622

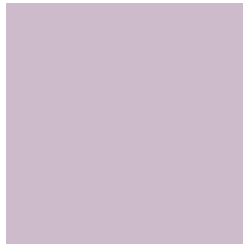


0.5448, 0.3323, 0.1604



# Previews

## White Background



This preview shows how the Yxy color 52.8794, 0.3145, 0.3088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

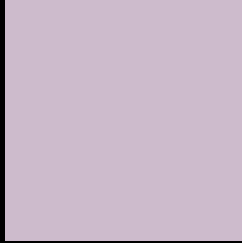
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8794, 0.3145, 0.3088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

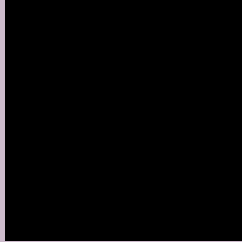
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8794, 0.3145, 0.3088**

## Background



This preview shows how black text looks on a background with the Yxy color 52.8794, 0.3145, 0.3088.



This preview shows how white text looks on a background with the Yxy color 52.8794, 0.3145, 0.3088.

# 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

52.8794, 0.3145, 0.3088

### Protanopia

52.9731, 0.3017, 0.3095

### Deuteranopia

53.0221, 0.3153, 0.3089



## Tritanopia

52.7841, 0.3160, 0.3112

# Trichromacy



## Original Color

52.8794, 0.3145, 0.3088

## Protanomaly

53.1535, 0.3064, 0.3097

## Deuteranomaly

53.0221, 0.3153, 0.3089

## Tritanomaly

52.8316, 0.3153, 0.3100

# Monochromacy



## Original Color

52.8794, 0.3145, 0.3088

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.3446, 0.3131, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8794, 0.3145, 0.3088 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(205, 187, 204)` looks like.

```
.text, #text, p{  
    color:rgb(205, 187, 204)  
}
```

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(205, 187, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 187, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8794, 0.3145, 0.3088 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(205, 187, 204) }
```

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

```
.border{ border-color:rgb(205, 187, 204) }
```

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

Here you see how a box with a 4 pixel rgb(205, 187, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 187, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 187, 204);  
box-shadow:4px 4px 4px 4px rgb(205, 187,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8794, 0.3145, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 187, 204) }
```

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

```
.background{ background-color: rgb(205,  
187, 204) }
```

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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