

# Converting Colors

$Yxy(63.6987, 0.3045, 0.3187)$

Have a look what the booklet for  
Yxy(63.6987, 0.3045, 0.3187)  
contains.

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# Color

**Yxy(63.7847, 0.3044, 0.3187)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CED1DA
RGB	206, 209, 218
RGB Percent	81%, 82%, 85%
CMY	0.1919, 0.1804, 0.1451
CMYK	0.05, 0.04, 0.00, 0.15
HSL	225°, 14%, 83%
HSV	225°, 5%, 85%
XYZ	60.9227, 63.7847, 75.4329
YIQ	209.1290, -4.6770, 2.1630

# Conversions

## Conversions Part 2

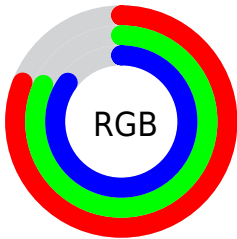
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 208, 218
Decimal	13554138
CIE Lab	83.85, 0.70, -4.81
CIE LCh	84, 4.859, 278.311
Yxy	63.7847, 0.3044, 0.3187
Android (android.graphics.Color)	4291744218 (0xFFCED1DA)
YUV	209.1290, 4.3734, -2.7441
Hunter-Lab	79.8653, -3.6013, -0.0937

# Details

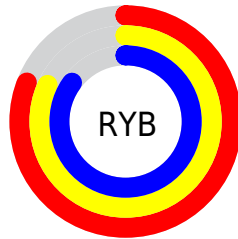
The Yxy color **63.7847, 0.3044, 0.3187** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0103, 0.3210, 0.3391**, and the grayscale version is **63.8297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.7624, 0.3026, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **53.2115, 0.2881, 0.2980**, and if you desaturate by 10%, it is **75.6316, 0.3193, 0.3370**.

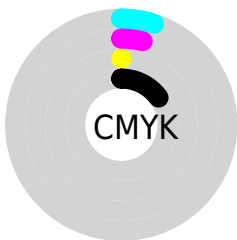
# Distribution



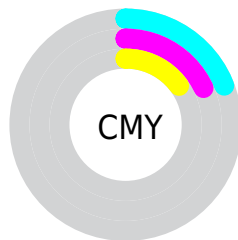
- Red (81%)
- Green (82%)
- Blue (85%)



- Red (81%)
- Yellow (82%)
- Blue (85%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)



- Cyan (19%)
- Magenta (18%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7847, 0.3044, 0.3187 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 63.7847, 0.3044, 0.3187 by changing the saturation by 10% instead.



■ 63.7847, 0.3044,  
0.3187

■ 63.7847, 0.3044,  
0.3187

438.4117, 0.3083,  
0.3236

■ 46.4763, 0.3035,  
0.3176

110.3008, 0.3058,  
0.3204

■ 32.6219, 0.3023,  
0.3161

140.2773, 0.3063,  
0.3211

■ 21.8369, 0.3008,  
0.3143

175.2453, 0.3068,  
0.3216

■ 13.7371, 0.2989,  
0.3119

215.5893, 0.3072,  
0.3221

■ 7.9381, 0.2961,  
0.3085

261.6935, 0.3075,  
0.3226

■ 4.0553, 0.2919,  
0.3034

313.9423, 0.3078,

■ 1.7046, 0.2850,

0.3229

0.2950

372.7203, 0.3081,  
0.3233

0.4266, 0.2562,  
0.2586

0.0000, 0.0000,  
0.0000

63.7847, 0.3044,  
0.3187

63.7847, 0.3044,  
0.3187

53.2115, 0.2881,  
0.2980

75.6316, 0.3193,  
0.3370

43.8610, 0.2706,  
0.2749

88.7848, 0.3327,  
0.3530

35.6903, 0.2522,  
0.2494

97.8422, 0.3345,  
0.3651

28.6512, 0.2332,  
0.2221

■ 22.6919, 0.2144,  
0.1936

■ 17.7563, 0.1968,  
0.1651

■ 13.7831, 0.1813,  
0.1379

■ 10.7033, 0.1689,  
0.1137

■ 8.4373, 0.1603,  
0.0937

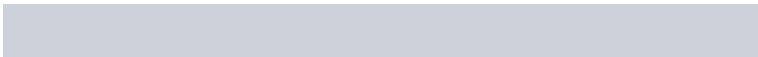
# Harmonies

## Analogous

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



63.7847, 0.3013, 0.3210



63.7847, 0.3044, 0.3187



63.7847, 0.3098, 0.3191

# Triad

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



63.7847, 0.3044, 0.3187



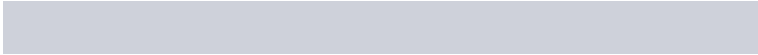
63.7847, 0.3244, 0.3324



63.7847, 0.3094, 0.3360

# Complementary

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



63.7847, 0.3044, 0.3187



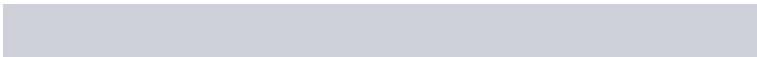
68.0103, 0.3210, 0.3391

# 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.



63.7847, 0.3156, 0.3391



63.7847, 0.3044, 0.3187



63.7847, 0.3243, 0.3369

# Square

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



63.7847, 0.3044, 0.3187



63.7847, 0.3213, 0.3270



63.7847, 0.3211, 0.3394

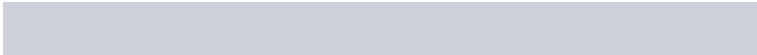


63.7847, 0.3042, 0.3310



# Rectangle

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



63.7847, 0.3044, 0.3187



63.7847, 0.3139, 0.3209



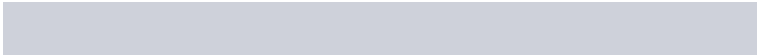
63.7847, 0.3211, 0.3394



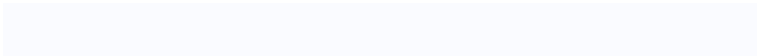
63.7847, 0.3115, 0.3373

# Sweetspot

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



63.7874, 0.3044, 0.3187



96.6118, 0.3097, 0.3253



68.1841, 0.3062, 0.3324



20.7145, 0.3099, 0.3255



0.0000, 0.0000, 0.0000

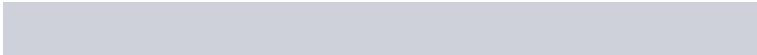


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7874, 0.3044, 0.3187



88.4660, 0.3019, 0.3156



62.7996, 0.3067, 0.3154



13.5829, 0.3011, 0.3146



4.7170, 0.1579, 0.0884



0.4410, 0.1666, 0.1198



# Inverse Universe

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



63.6836, 0.3197, 0.3257



88.2969, 0.3219, 0.3248



69.0551, 0.3186, 0.3424



13.5560, 0.3226, 0.3245



9.0999, 0.5936, 0.3044

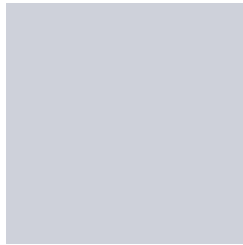


0.6032, 0.5470, 0.2787



# Previews

## White Background



This preview shows how the Yxy color 63.7847, 0.3044, 0.3187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

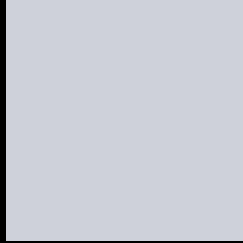
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.7847, 0.3044, 0.3187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

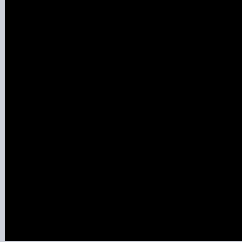
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

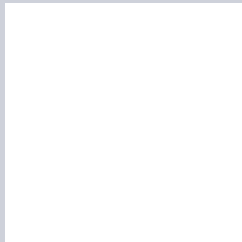
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.7847, 0.3044, 0.3187**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.7847, 0.3044, 0.3187.

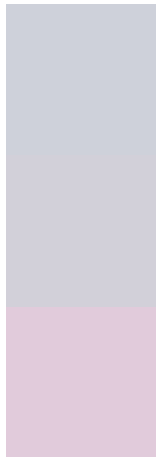


This preview shows how white text looks on a background with the Yxy color 63.7847, 0.3044, 0.3187.

# 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

63.7847, 0.3044, 0.3187

### Protanopia

63.8231, 0.3080, 0.3188

### Deuteranopia

63.8339, 0.3181, 0.3115



## Tritanopia

63.7590, 0.3011, 0.3109

# Trichromacy



## Original Color

63.7847, 0.3044, 0.3187

## Protanomaly

63.6768, 0.3073, 0.3188

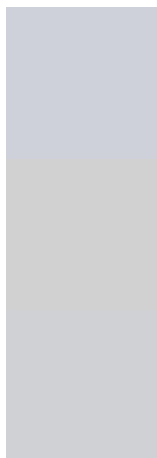
## Deuteranomaly

63.6825, 0.3127, 0.3134

## Tritanomaly

63.6511, 0.3024, 0.3131

# Monochromacy



## Original Color

63.7847, 0.3044, 0.3187

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

63.7643, 0.3099, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.7847, 0.3044, 0.3187 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(206, 209, 218) looks like.

```
.text, #text, p{  
    color:rgb(206, 209, 218)  
}
```

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(206, 209, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 209, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 63.7847, 0.3044, 0.3187 is called "border". The border property can be set on classes, ids or directly on the HTML element.

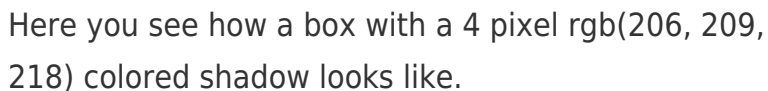
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 209, 218) }
```

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

```
.border{ border-color:rgb(206, 209, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 209, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 209, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 209, 218);  
box-shadow:4px 4px 4px 4px rgb(206, 209,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.7847, 0.3044, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 209, 218) }
```

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

```
.background{ background-color: rgb(206,  
209, 218) }
```

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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