

# Converting Colors

$Yxy(64.5774, 0.2974, 0.3247)$

Have a look what the booklet for  
Yxy(64.5774, 0.2974, 0.3247)  
contains.

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# Color

**Yxy(64.8387, 0.2979, 0.3255)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4D6D9
RGB	196, 214, 217
RGB Percent	77%, 84%, 85%
CMY	0.2312, 0.1608, 0.1491
CMYK	0.10, 0.01, 0.00, 0.15
HSL	189°, 22%, 81%
HSV	189°, 10%, 85%
XYZ	59.3409, 64.8387, 75.0177
YIQ	208.9600, -11.6910, -2.8830

# Conversions

## Conversions Part 2

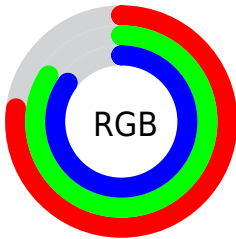
Format	Color
R <sub>Y</sub> B	196, 206, 217
Decimal	12900057
CIE Lab	84.40, -5.42, -3.54
CIE LCh	84, 6.473, 213.147
Yxy	64.8387, 0.2979, 0.3255
Android (android.graphics.Color)	4291090137 (0xFFC4D6D9)
YUV	208.9600, 3.9637, -11.3659
Hunter-Lab	80.5225, -9.3692, 1.1290

# Details

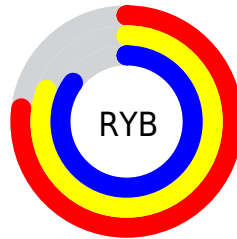
The Yxy color **64.8387, 0.2979, 0.3255** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.5924, 0.3292, 0.3325**, and the grayscale version is **63.7171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **33.1557, 0.2942, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **60.5892, 0.2830, 0.3215**, and if you desaturate by 10%, it is **69.5441, 0.3133, 0.3291**.

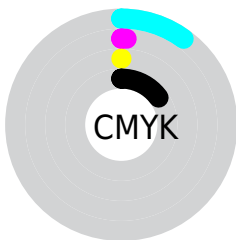
# Distribution



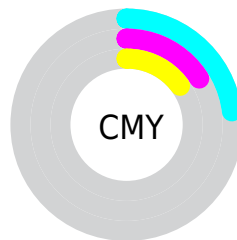
- Red (77%)
- Green (84%)
- Blue (85%)



- Red (77%)
- Yellow (81%)
- Blue (85%)



- Cyan (10%)
- Magenta (1%)
- Yellow (0%)
- Black (15%)



- Cyan (23%)
- Magenta (16%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8387, 0.2979, 0.3255 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 64.8387, 0.2979, 0.3255 by changing the saturation by 10% instead.



■ 64.8387, 0.2979,  
0.3255

■ 64.8387, 0.2979,  
0.3255

442.2121, 0.3049,  
0.3272

■ 47.3303, 0.2963,  
0.3251

111.8179, 0.3003,  
0.3261

■ 33.2968, 0.2943,  
0.3246

142.0575, 0.3013,  
0.3263

■ 22.3539, 0.2917,  
0.3239

177.3097, 0.3021,  
0.3265

■ 14.1172, 0.2882,  
0.3230

217.9587, 0.3028,  
0.3267

■ 8.2022, 0.2835,  
0.3217

264.3891, 0.3034,  
0.3269

■ 4.2246, 0.2764,  
0.3197

316.9852, 0.3040,

■ 1.8000, 0.2648,

0.3270

0.3163

376.1314, 0.3044,  
0.3271

0.4872, 0.2073,  
0.3053

0.0000, 0.0000,  
0.0000

64.8387, 0.2979,  
0.3255

64.8387, 0.2979,  
0.3255

60.5892, 0.2830,  
0.3215

69.5441, 0.3133,  
0.3291

56.7693, 0.2688,  
0.3173

74.7143, 0.3288,  
0.3324

53.3624, 0.2558,  
0.3127

79.1863, 0.3398,  
0.3354

50.3473, 0.2440,  
0.3080

80.8550, 0.3393,  
0.3385

■ 47.7011, 0.2339,  
0.3030

■ 82.5541, 0.3389,  
0.3415

■ 45.3982, 0.2256,  
0.2980

■ 84.2835, 0.3384,  
0.3446

■ 43.4094, 0.2193,  
0.2929

■ 86.0436, 0.3379,  
0.3476

■ 41.7003, 0.2148,  
0.2879

■ 87.8345, 0.3375,  
0.3506

■ 40.2116, 0.2120,  
0.2829

■ 89.6562, 0.3370,  
0.3536

# Harmonies

## Analogous

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



64.8387, 0.3024, 0.3329



64.8387, 0.2979, 0.3255



64.8387, 0.2973, 0.3192

# Triad

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



64.8387, 0.2979, 0.3255



64.8387, 0.3156, 0.3191



64.8387, 0.3248, 0.3425

# Complementary

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



64.8387, 0.2979, 0.3255



59.5924, 0.3292, 0.3325

# 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.



64.8387, 0.3284, 0.3386



64.8387, 0.2979, 0.3255



64.8387, 0.3231, 0.3251

# Square

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



64.8387, 0.2979, 0.3255



64.8387, 0.3074, 0.3156



64.8387, 0.3278, 0.3322



64.8387, 0.3179, 0.3428



# Rectangle

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



64.8387, 0.2979, 0.3255



64.8387, 0.2992, 0.3165



64.8387, 0.3278, 0.3322



64.8387, 0.3264, 0.3416

# Sweetspot

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



64.8414, 0.2979, 0.3255



97.8848, 0.3080, 0.3279



65.4715, 0.3097, 0.3504



20.8326, 0.3068, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

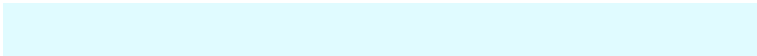


# Same Dimension

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



64.8414, 0.2979, 0.3255



91.9027, 0.2942, 0.3246



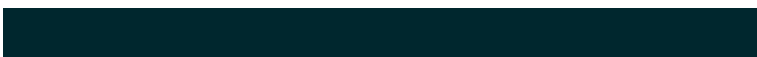
59.8012, 0.2978, 0.3134



14.4970, 0.2982, 0.3256



24.4355, 0.2121, 0.2834



1.6715, 0.2143, 0.2916



# Inverse Universe

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



59.1011, 0.3160, 0.3087



81.7291, 0.3169, 0.3034



64.4846, 0.3279, 0.3441



13.2413, 0.3159, 0.3092



11.0905, 0.3603, 0.1758

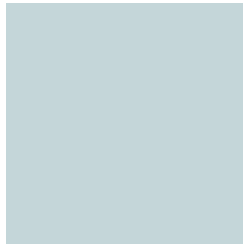


0.7274, 0.3529, 0.1718



# Previews

## White Background



This preview shows how the Yxy color 64.8387, 0.2979, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

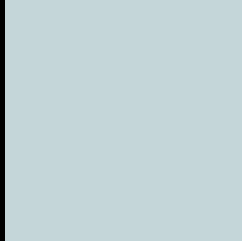
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8387, 0.2979, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

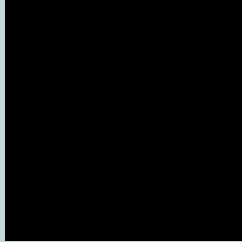
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

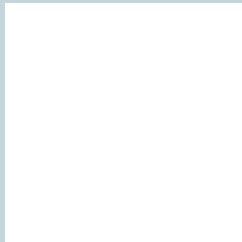
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8387, 0.2979, 0.3255**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8387, 0.2979, 0.3255.

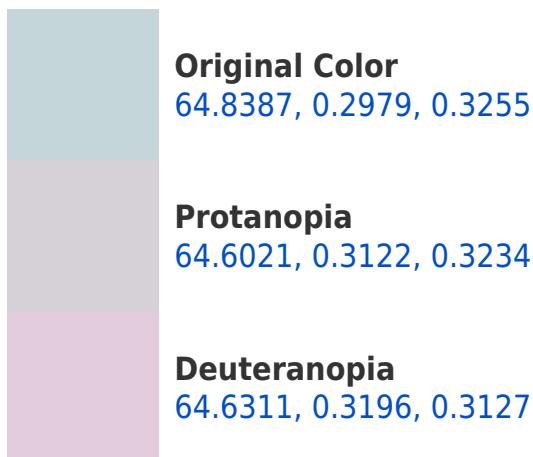


This preview shows how white text looks on a background with the Yxy color 64.8387, 0.2979, 0.3255.

# 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

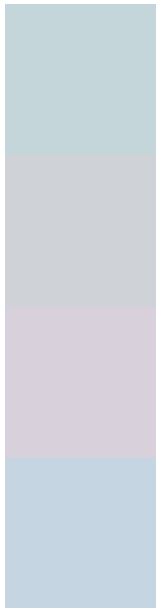




## Tritanopia

64.7499, 0.2916, 0.3096

# Trichromacy



## Original Color

64.8387, 0.2979, 0.3255

## Protanomaly

64.7602, 0.3071, 0.3244

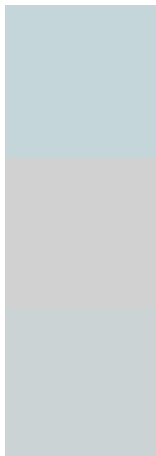
## Deuteranomaly

64.7726, 0.3117, 0.3178

## Tritanomaly

64.8951, 0.2934, 0.3152

# Monochromacy



## Original Color

64.8387, 0.2979, 0.3255

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.1794, 0.3069, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8387, 0.2979, 0.3255 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(196, 214, 217)` looks like.

```
.text, #text, p{  
    color:rgb(196, 214, 217)  
}
```

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(196, 214, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 214, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8387, 0.2979, 0.3255 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(196, 214, 217) }
```

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

```
.border{ border-color:rgb(196, 214, 217) }
```

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

Here you see how a box with a 4 pixel rgb(196, 214, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 214, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 214, 217);  
box-shadow:4px 4px 4px 4px rgb(196, 214,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8387, 0.2979, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 214, 217) }
```

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

```
.background{ background-color: rgb(196,  
214, 217) }
```

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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