

# Converting Colors

$Yxy(63.6785, 0.2995, 0.3252)$

Have a look what the booklet for  
Yxy(63.6785, 0.2995, 0.3252)  
contains.

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# Color

**Yxy(63.8636, 0.2999, 0.3255)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5D4D7
RGB	197, 212, 215
RGB Percent	77%, 83%, 84%
CMY	0.2273, 0.1686, 0.1570
CMYK	0.08, 0.01, 0.00, 0.16
HSL	190°, 18%, 81%
HSV	190°, 8%, 84%
XYZ	58.8408, 63.8636, 73.4971
YIQ	207.8570, -9.9030, -2.2470

# Conversions

## Conversions Part 2

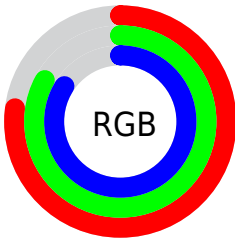
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 205, 215
Decimal	12965079
CIELab	83.89, -4.44, -3.21
CIELCh	84, 5.481, 215.846
Yxy	63.8636, 0.2999, 0.3255
Android (android.graphics.Color)	4291155159 (0xFFC5D4D7)
YUV	207.8570, 3.5215, -9.5216
Hunter-Lab	79.9147, -8.4220, 1.4116

# Details

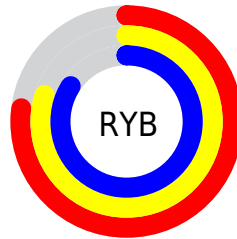
The Yxy color  $63.8636, 0.2999, 0.3255$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $59.7958, 0.3267, 0.3325$ , and the grayscale version is  $62.9655, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.8108, 0.3121, 0.3290$ , and  $32.4916, 0.2968, 0.3243$  is the 20% darker color. If you saturate the color by 10%, you get  $59.4017, 0.2849, 0.3209$ , and if you desaturate by 10%, it is  $68.7842, 0.3153, 0.3297$ .

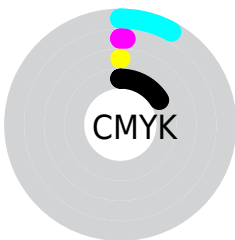
# Distribution



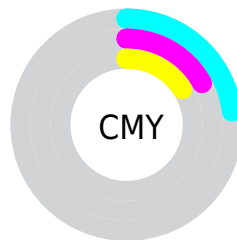
- Red (77%)
- Green (83%)
- Blue (84%)



- Red (77%)
- Yellow (80%)
- Blue (84%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (16%)



- Cyan (23%)
- Magenta (17%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8636, 0.2999, 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 63.8636, 0.2999, 0.3255 by changing the saturation by 10% instead.



■ 63.8636, 0.2999,  
0.3255

■ 63.8636, 0.2999,  
0.3255

438.6969, 0.3060,  
0.3272

■ 46.5402, 0.2985,  
0.3251

110.4145, 0.3020,  
0.3261

■ 32.6723, 0.2967,  
0.3246

140.4107, 0.3028,  
0.3263

■ 21.8755, 0.2945,  
0.3239

175.4001, 0.3035,  
0.3265

■ 13.7655, 0.2914,  
0.3230

215.7669, 0.3042,  
0.3267

■ 7.9577, 0.2872,  
0.3217

261.8956, 0.3047,  
0.3268

■ 4.0679, 0.2810,  
0.3198

314.1706, 0.3052,

■ 1.7116, 0.2707,

0.3270

0.3164

372.9762, 0.3056,  
0.3271

0.4312, 0.2113,  
0.3023

0.0000, 0.0000,  
0.0000

63.8636, 0.2999,  
0.3255

63.8636, 0.2999,  
0.3255

59.4017, 0.2849,  
0.3209

68.7842, 0.3153,  
0.3297

55.3728, 0.2705,  
0.3160

74.1721, 0.3307,  
0.3334

51.7606, 0.2570,  
0.3107

78.7847, 0.3413,  
0.3369

48.5448, 0.2449,  
0.3051

80.7098, 0.3407,  
0.3404

45.7031, 0.2342,  
0.2994

82.6753, 0.3402,  
0.3440

43.2106, 0.2254,  
0.2934

84.6816, 0.3396,  
0.3475

41.0394, 0.2184,  
0.2874

86.7288, 0.3391,  
0.3510

39.1565, 0.2134,  
0.2815

88.8172, 0.3385,  
0.3544

37.5131, 0.2101,  
0.2756

90.9470, 0.3380,  
0.3579

# Harmonies

## Analogous

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



63.8636, 0.3035, 0.3318



63.8636, 0.2999, 0.3255



63.8636, 0.2997, 0.3203

# Triad

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



63.8636, 0.2999, 0.3255



63.8636, 0.3158, 0.3209



63.8636, 0.3225, 0.3407

# Complementary

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



63.8636, 0.2999, 0.3255



59.7958, 0.3267, 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.



63.8636, 0.3259, 0.3376



63.8636, 0.2999, 0.3255



63.8636, 0.3220, 0.3262

# Square

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



63.8636, 0.2999, 0.3255



63.8636, 0.3088, 0.3177



63.8636, 0.3257, 0.3323



63.8636, 0.3165, 0.3406

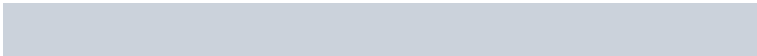


# Rectangle

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



63.8636, 0.2999, 0.3255



63.8636, 0.3015, 0.3181



63.8636, 0.3257, 0.3323



63.8636, 0.3240, 0.3400

# Sweetspot

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



63.8663, 0.2999, 0.3255



97.7698, 0.3080, 0.3278



64.6218, 0.3099, 0.3469



20.8014, 0.3068, 0.3274



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

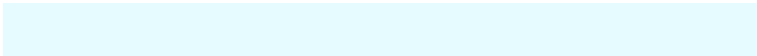


# Same Dimension

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



63.8663, 0.2999, 0.3255



92.8075, 0.2972, 0.3247



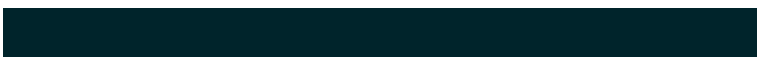
59.6447, 0.2999, 0.3153



13.7403, 0.2983, 0.3250



22.4208, 0.2099, 0.2755



1.4478, 0.2127, 0.2857



# Inverse Universe

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



59.1495, 0.3159, 0.3120



84.5259, 0.3166, 0.3084



63.9298, 0.3257, 0.3423



12.5956, 0.3163, 0.3098



10.6082, 0.3676, 0.1799

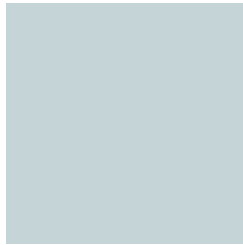


0.6495, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 63.8636, 0.2999, 0.3255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

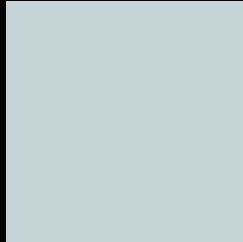
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8636, 0.2999, 0.3255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

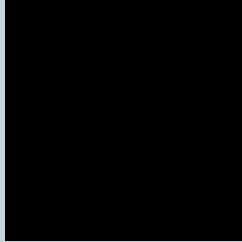
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

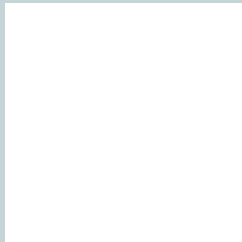
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.8636, 0.2999, 0.3255**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8636, 0.2999, 0.3255.

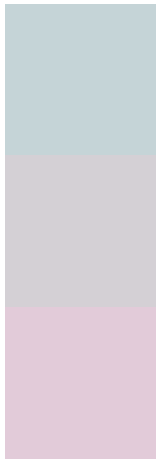


This preview shows how white text looks on a background with the Yxy color 63.8636, 0.2999, 0.3255.

# 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



### Original Color

63.8636, 0.2999, 0.3255

### Protanopia

63.9129, 0.3122, 0.3233

### Deuteranopia

63.8904, 0.3203, 0.3137



## Tritanopia

63.7814, 0.2935, 0.3096

# Trichromacy



## Original Color

63.8636, 0.2999, 0.3255

## Protanomaly

63.7214, 0.3078, 0.3233

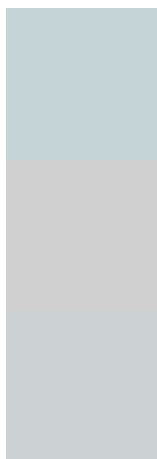
## Deuteranomaly

63.5476, 0.3125, 0.3178

## Tritanomaly

63.9220, 0.2954, 0.3152

# Monochromacy



## Original Color

63.8636, 0.2999, 0.3255

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.1414, 0.3076, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8636, 0.2999, 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(197, 212, 215)` looks like.

```
.text, #text, p{  
    color:rgb(197, 212, 215)  
}
```

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(197, 212, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 212, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8636, 0.2999, 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(197, 212, 215) }
```

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

```
.border{ border-color:rgb(197, 212, 215) }
```

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

Here you see how a box with a 4 pixel rgb(197, 212, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 212, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 212, 215);  
box-shadow:4px 4px 4px 4px rgb(197, 212,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8636, 0.2999, 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(197, 212, 215) }
```

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

```
.background{ background-color: rgb(197,  
212, 215) }
```

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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