

# Converting Colors

$Yxy(63.7516, 0.3011, 0.3304)$

Have a look what the booklet for  
Yxy(63.7516, 0.3011, 0.3304)  
contains.

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# Color

**Yxy(63.8938, 0.3010, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D5D3
RGB	195, 213, 211
RGB Percent	76%, 84%, 83%
CMY	0.2355, 0.1646, 0.1725
CMYK	0.08, 0.00, 0.01, 0.16
HSL	173°, 18%, 80%
HSV	173°, 8%, 84%
XYZ	58.0502, 63.8938, 70.9138
YIQ	207.3900, -10.0860, -4.4380

# Conversions

## Conversions Part 2

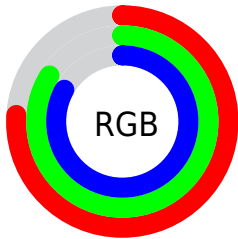
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 205, 213
Decimal	12834259
CIELab	83.91, -6.43, -1.10
CIELCh	84, 6.522, 189.733
Yxy	63.8938, 0.3010, 0.3313
Android (android.graphics.Color)	4291024339 (0xFFC3D5D3)
YUV	207.3900, 1.7797, -10.8660
Hunter-Lab	79.9336, -10.2517, 3.3539

# Details

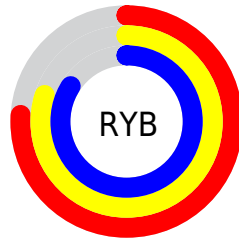
The Yxy color **63.8938, 0.3010, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.1860, 0.3258, 0.3267**, and the grayscale version is **62.6520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **32.5508, 0.2975, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.1422, 0.2878, 0.3343**, and if you desaturate by 10%, it is **67.0573, 0.3149, 0.3286**.

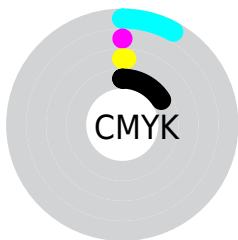
# Distribution



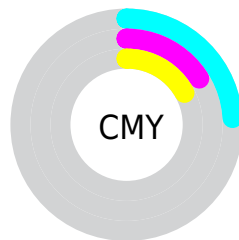
- Red (76%)
- Green (84%)
- Blue (83%)



- Red (76%)
- Yellow (80%)
- Blue (84%)



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



- Cyan (24%)
- Magenta (16%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8938, 0.3010, 0.3313 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 63.8938, 0.3010, 0.3313 by changing the saturation by 10% instead.



■ 63.8938, 0.3010,  
0.3313

■ 63.8938, 0.3010,  
0.3313

438.8060, 0.3065,  
0.3302

■ 46.5647, 0.2997,  
0.3315

■ 110.4580, 0.3029,  
0.3309

■ 32.6916, 0.2981,  
0.3318

140.4618, 0.3037,  
0.3308

■ 21.8903, 0.2960,  
0.3322

175.4593, 0.3043,  
0.3307

■ 13.7763, 0.2932,  
0.3327

215.8349, 0.3049,  
0.3306

■ 7.9653, 0.2894,  
0.3334

261.9730, 0.3054,  
0.3305

■ 4.0727, 0.2836,  
0.3345

314.2579, 0.3058,

■ 1.7143, 0.2740,

0.3304

373.0742, 0.3062,  
0.3303

0.3361

0.4329, 0.2060,  
0.3503

0.0000, 0.0000,  
0.0000

63.8938, 0.3010,  
0.3313

63.8938, 0.3010,  
0.3313

61.1422, 0.2878,  
0.3343

67.0573, 0.3149,  
0.3286

58.7773, 0.2755,  
0.3375


70.6406, 0.3291,  
0.3262


56.7835, 0.2645,  
0.3409

73.9227, 0.3405,  
0.3240

55.1411, 0.2549,  
0.3445


74.0469, 0.3388,  
0.3216


 53.8285, 0.2471,  
0.3482


 74.1728, 0.3371,  
0.3192


 52.8217, 0.2412,  
0.3520

 74.3004, 0.3354,  
0.3169


 52.0936, 0.2371,  
0.3558

 74.4298, 0.3337,  
0.3145

 51.6120, 0.2350,  
0.3597

 74.5611, 0.3320,  
0.3122

 51.3284, 0.2345,  
0.3634

 74.6940, 0.3304,  
0.3099

# Harmonies

## Analogous

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



63.8938, 0.3079, 0.3382



63.8938, 0.3010, 0.3313



63.8938, 0.2972, 0.3239

# Triad

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



63.8938, 0.3010, 0.3313



63.8938, 0.3091, 0.3159



63.8938, 0.3281, 0.3399

# Complementary

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



63.8938, 0.3010, 0.3313



57.1860, 0.3258, 0.3267

# 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.



63.8938, 0.3285, 0.3338



63.8938, 0.3010, 0.3313



63.8938, 0.3174, 0.3201

# Square

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



63.8938, 0.3010, 0.3313



63.8938, 0.3018, 0.3151



63.8938, 0.3245, 0.3266



63.8938, 0.3236, 0.3431



# Rectangle

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



63.8938, 0.3010, 0.3313



63.8938, 0.2969, 0.3197



63.8938, 0.3245, 0.3266



63.8938, 0.3287, 0.3381

# Sweetspot

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



63.8965, 0.3010, 0.3313



98.5235, 0.3085, 0.3298



63.4129, 0.3133, 0.3504



21.0057, 0.3074, 0.3300



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.



63.8965, 0.3010, 0.3313



95.3003, 0.2988, 0.3318



60.5873, 0.2997, 0.3208



14.0831, 0.2997, 0.3316



31.3355, 0.2343, 0.3635



1.8969, 0.2325, 0.3569

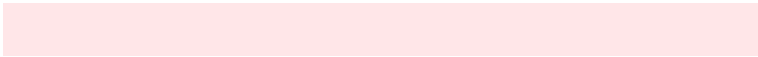


# Inverse Universe

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



57.1860, 0.3258, 0.3267



83.4199, 0.3286, 0.3263



60.2696, 0.3265, 0.3371



12.4429, 0.3274, 0.3265



8.6877, 0.6260, 0.3222



0.5317, 0.5912, 0.3031



# Previews

## White Background



This preview shows how the Yxy color 63.8938, 0.3010, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

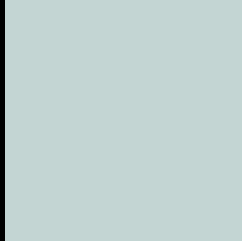
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8938, 0.3010, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

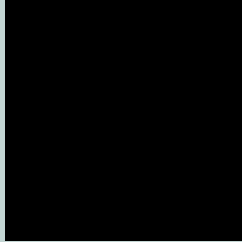
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

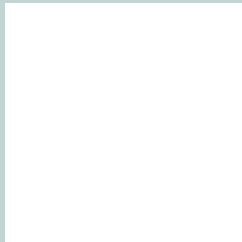
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.8938, 0.3010, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8938, 0.3010, 0.3313.

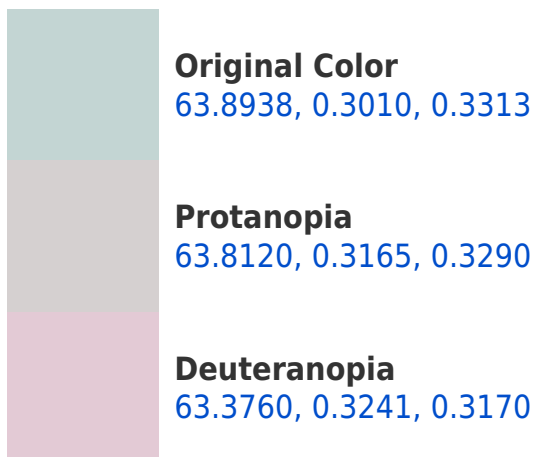


This preview shows how white text looks on a background with the Yxy color 63.8938, 0.3010, 0.3313.

# 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

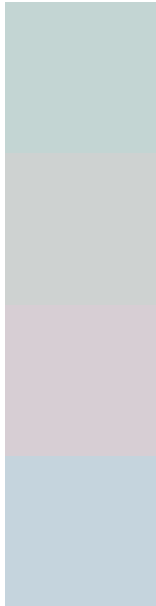




## Tritanopia

64.1403, 0.2928, 0.3107

# Trichromacy



## Original Color

63.8938, 0.3010, 0.3313

## Protanomaly

63.8184, 0.3104, 0.3301

## Deuteranomaly

63.3432, 0.3153, 0.3222

## Tritanomaly

64.1777, 0.2960, 0.3186

# Monochromacy



## Original Color

63.8938, 0.3010, 0.3313

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.8515, 0.3089, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8938, 0.3010, 0.3313 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(195, 213, 211)` looks like.

```
.text, #text, p{  
    color:rgb(195, 213, 211)  
}
```

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(195, 213, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 213, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8938, 0.3010, 0.3313 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(195, 213, 211) }
```

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

```
.border{ border-color:rgb(195, 213, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 213, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 213, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 213, 211);  
box-shadow:4px 4px 4px 4px rgb(195, 213,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8938, 0.3010, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 213, 211) }
```

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

```
.background{ background-color: rgb(195,  
213, 211) }
```

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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