

# Converting Colors

Yxy(63.0370, 0.3072, 0.3391)

Have a look what the booklet for  
Yxy(63.0370, 0.3072, 0.3391)  
contains.

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# Color

**Yxy(63.1345, 0.3071, 0.3396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4D4CB
RGB	196, 212, 203
RGB Percent	77%, 83%, 80%
CMY	0.2313, 0.1686, 0.2039
CMYK	0.08, 0.00, 0.04, 0.17
HSL	146°, 16%, 80%
HSV	146°, 8%, 83%
XYZ	57.0925, 63.1345, 65.6814
YIQ	206.1900, -6.6470, -6.1910

# Conversions

## Conversions Part 2

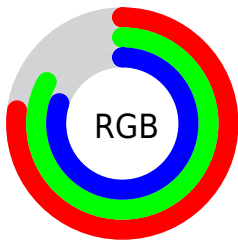
Format	Color
<a href="#">RYB</a>	<a href="#">196, 207, 212</a>
Decimal	<a href="#">12899531</a>
CIELab	<a href="#">83.51, -7.06, 2.59</a>
CIElCh	<a href="#">84, 7.520, 159.888</a>
Yxy	<a href="#">63.1345, 0.3071, 0.3396</a>
Android (android.graphics.Color)	<a href="#">4291089611 (0xFFC4D4CB)</a>
YUV	<a href="#">206.1900, -1.5727, -8.9366</a>
Hunter-Lab	<a href="#">79.4572, -10.7924, 6.6094</a>

# Details

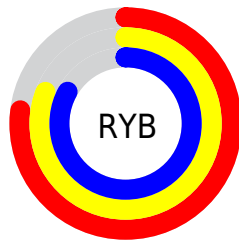
The Yxy color **63.1345, 0.3071, 0.3396** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.8948, 0.3188, 0.3186**, and the grayscale version is **61.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **32.0347, 0.3054, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **59.9448, 0.2998, 0.3552**, and if you desaturate by 10%, it is **66.7751, 0.3146, 0.3257**.

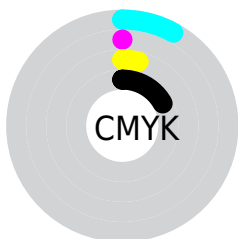
# Distribution



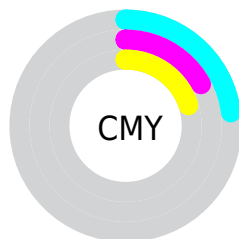
- Red (77%)
- Green (83%)
- Blue (80%)



- Red (77%)
- Yellow (81%)
- Blue (83%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)



- Cyan (23%)
- Magenta (17%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1345, 0.3071, 0.3396 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 63.1345, 0.3071, 0.3396 by changing the saturation by 10% instead.



■ 63.1345, 0.3071,  
0.3396

■ 63.1345, 0.3071,  
0.3396

436.0575, 0.3098,  
0.3345

■ 45.9500, 0.3065,  
0.3408

109.3635, 0.3081,  
0.3378

■ 32.2064, 0.3057,  
0.3423

139.1769, 0.3084,  
0.3371

■ 21.5192, 0.3046,  
0.3443

173.9686, 0.3087,  
0.3365

■ 13.5040, 0.3032,  
0.3469

214.1232, 0.3090,  
0.3360

■ 7.7765, 0.3013,  
0.3506

260.0250, 0.3092,  
0.3356

■ 3.9523, 0.2983,  
0.3563

312.0583, 0.3094,

■ 1.6469, 0.2931,

0.3352

0.3660

370.6077, 0.3096,  
0.3348

0.3889, 0.2380,  
0.4692

0.0000, 0.0000,  
0.0000

63.1345, 0.3071,  
0.3396

63.1345, 0.3071,  
0.3396

59.9448, 0.2998,  
0.3552

66.7751, 0.3146,  
0.3257

57.1801, 0.2928,  
0.3724

70.8751, 0.3220,  
0.3135

54.8242, 0.2864,  
0.3914

74.5662, 0.3258,  
0.3024

52.8567, 0.2810,  
0.4118

75.2939, 0.3176,  
0.2911

■ 51.2553, 0.2768,  
0.4333

■ 75.5663, 0.3147,  
0.2871

■ 49.9956, 0.2742,  
0.4553

■ 49.0497, 0.2735,  
0.4774

■ 48.3853, 0.2747,  
0.4985

■ 47.9581, 0.2777,  
0.5182

# Harmonies

## Analogous

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



63.1345, 0.3167, 0.3447



63.1345, 0.3071, 0.3396



63.1345, 0.2991, 0.3316

# Triad

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



63.1345, 0.3071, 0.3396



63.1345, 0.3002, 0.3130



63.1345, 0.3310, 0.3346

# Complementary

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



63.1345, 0.3071, 0.3396



57.8948, 0.3188, 0.3186

# 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.



63.1345, 0.3265, 0.3263



63.1345, 0.3071, 0.3396



63.1345, 0.3086, 0.3139

# Square

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



63.1345, 0.3071, 0.3396



63.1345, 0.2952, 0.3162



63.1345, 0.3182, 0.3188



63.1345, 0.3306, 0.3416



# Rectangle

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



63.1345, 0.3071, 0.3396



63.1345, 0.2957, 0.3258



63.1345, 0.3182, 0.3188



63.1345, 0.3300, 0.3318

# Sweetspot

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



63.1372, 0.3071, 0.3396



98.8621, 0.3112, 0.3318



64.0627, 0.3186, 0.3476



21.1725, 0.3113, 0.3316



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

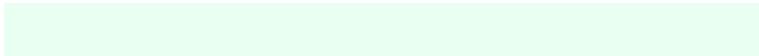


# Same Dimension

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



63.1372, 0.3071, 0.3396



95.1002, 0.3059, 0.3419



63.5248, 0.3018, 0.3302



13.9853, 0.3057, 0.3424



29.5733, 0.2778, 0.5202



1.8002, 0.2684, 0.4861



# Inverse Universe

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



57.8948, 0.3188, 0.3186



85.5917, 0.3201, 0.3164



57.5216, 0.3247, 0.3278



12.5367, 0.3204, 0.3160



9.4881, 0.4684, 0.2354

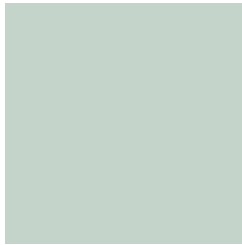


0.5888, 0.4361, 0.2176



# Previews

## White Background



This preview shows how the Yxy color 63.1345, 0.3071, 0.3396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

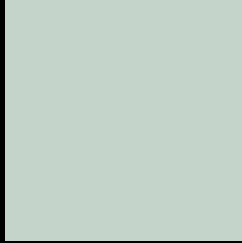
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1345, 0.3071, 0.3396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

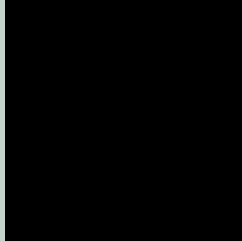
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

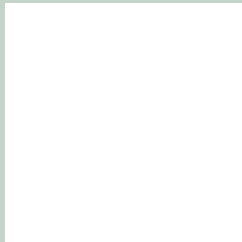
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1345, 0.3071, 0.3396**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1345, 0.3071, 0.3396.



This preview shows how white text looks on a background with the Yxy color 63.1345, 0.3071, 0.3396.

# 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

63.1345, 0.3071, 0.3396

### Protanopia

62.9419, 0.3223, 0.3371

### Deuteranopia

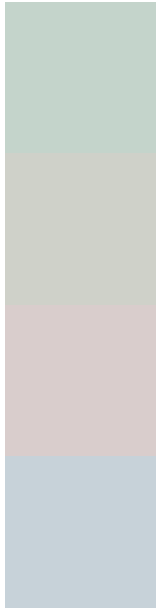
62.8391, 0.3318, 0.3246



## Tritanopia

63.3165, 0.2954, 0.3107

# Trichromacy



## Original Color

63.1345, 0.3071, 0.3396

## Protanomaly

63.0834, 0.3168, 0.3383

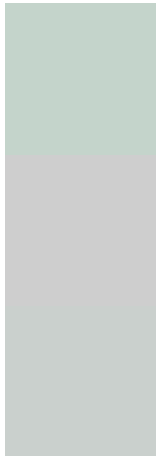
## Deuteranomaly

62.7740, 0.3227, 0.3302

## Tritanomaly

63.2451, 0.3000, 0.3209

# Monochromacy



## Original Color

63.1345, 0.3071, 0.3396

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.0761, 0.3103, 0.3325

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1345, 0.3071, 0.3396 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, 212, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 212, 203)  
}
```

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, 212, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 212, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1345, 0.3071, 0.3396 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, 212, 203) }
```

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

```
.border{ border-color:rgb(196, 212, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 212, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 212, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 212, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 212,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1345, 0.3071, 0.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 212, 203) }
```

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

```
.background{ background-color: rgb(196,  
212, 203) }
```

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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