

# Converting Colors

Yxy(64.4798, 0.2996, 0.3322)

Have a look what the booklet for  
Yxy(64.4798, 0.2996, 0.3322)  
contains.

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# Color

**Yxy(64.3159, 0.2997, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2D6D4
RGB	194, 214, 212
RGB Percent	76%, 84%, 83%
CMY	0.2391, 0.1608, 0.1686
CMYK	0.09, 0.00, 0.01, 0.16
HSL	174°, 20%, 80%
HSV	174°, 9%, 84%
XYZ	58.1813, 64.3159, 71.6347
YIQ	207.7920, -11.2780, -4.8620

# Conversions

## Conversions Part 2

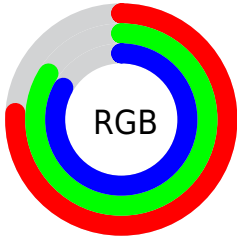
Format	Color
<b>RYB</b>	194, 205, 214
Decimal	12768980
CIELab	84.13, -7.05, -1.31
CIELCh	84, 7.175, 190.515
Yxy	64.3159, 0.2997, 0.3313
Android (android.graphics.Color)	4290959060 (0xFFC2D6D4)
YUV	207.7920, 2.0745, -12.0956
Hunter-Lab	80.1972, -10.8472, 3.1783

# Details

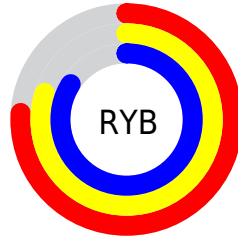
The Yxy color **64.3159, 0.2997, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8740, 0.3274, 0.3267**, and the grayscale version is **62.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **32.8060, 0.2966, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **61.5803, 0.2864, 0.3340**, and if you desaturate by 10%, it is **67.4661, 0.3137, 0.3288**.

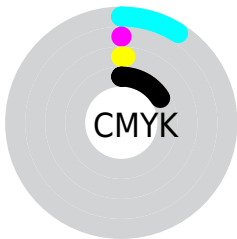
# Distribution



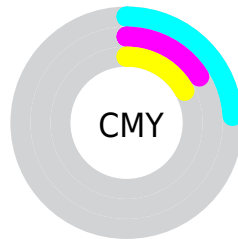
- Red (76%)
- Green (84%)
- Blue (83%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3159, 0.2997, 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 64.3159, 0.2997, 0.3313 by changing the saturation by 10% instead.



■ 64.3159, 0.2997,  
0.3313

■ 64.3159, 0.2997,  
0.3313

440.3295, 0.3059,  
0.3302

■ 46.9066, 0.2983,  
0.3315

■ 111.0658, 0.3019,  
0.3309

■ 32.9618, 0.2965,  
0.3318

141.1751, 0.3027,  
0.3308

■ 22.0972, 0.2942,  
0.3322

176.2865, 0.3034,  
0.3307

■ 13.9283, 0.2911,  
0.3327

216.7845, 0.3040,  
0.3306

■ 8.0708, 0.2868,  
0.3334

263.0534, 0.3046,  
0.3305

■ 4.1403, 0.2805,  
0.3344

315.4776, 0.3050,

■ 1.7524, 0.2700,

0.3304

374.4415, 0.3055,  
0.3303

0.3359

0.4572, 0.2004,  
0.3493

0.0000, 0.0000,  
0.0000

64.3159, 0.2997,  
0.3313

64.3159, 0.2997,  
0.3313

61.5803, 0.2864,  
0.3340

67.4661, 0.3137,  
0.3288

59.2338, 0.2741,  
0.3369


71.0392, 0.3280,  
0.3266

57.2605, 0.2631,  
0.3400


74.4377, 0.3401,  
0.3246


55.6404, 0.2536,  
0.3433


74.5508, 0.3386,  
0.3225


 54.3514, 0.2459,  
0.3466


 74.6654, 0.3370,  
0.3203


 53.3690, 0.2400,  
0.3500

 74.7815, 0.3355,  
0.3182


 52.6654, 0.2361,  
0.3535

 74.8990, 0.3340,  
0.3160

 52.2076, 0.2340,  
0.3569

 75.0180, 0.3324,  
0.3139

 51.9407, 0.2335,  
0.3603

 75.1385, 0.3309,  
0.3118

# Harmonies

## Analogous

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



64.3159, 0.3072, 0.3389



64.3159, 0.2997, 0.3313



64.3159, 0.2957, 0.3232

# Triad

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



64.3159, 0.2997, 0.3313



64.3159, 0.3090, 0.3148



64.3159, 0.3296, 0.3410

# Complementary

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



64.3159, 0.2997, 0.3313



56.8740, 0.3274, 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.



64.3159, 0.3301, 0.3345



64.3159, 0.2997, 0.3313



64.3159, 0.3181, 0.3194

# Square

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



64.3159, 0.2997, 0.3313



64.3159, 0.3010, 0.3138



64.3159, 0.3259, 0.3266



64.3159, 0.3245, 0.3445



# Rectangle

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



64.3159, 0.2997, 0.3313



64.3159, 0.2955, 0.3186



64.3159, 0.3259, 0.3266



64.3159, 0.3303, 0.3391

# Sweetspot

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



64.3186, 0.2997, 0.3313



98.5286, 0.3084, 0.3297



63.7719, 0.3133, 0.3527



21.0071, 0.3073, 0.3299



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.



64.3186, 0.2997, 0.3313



94.8833, 0.2973, 0.3318



60.6335, 0.2984, 0.3199



14.0855, 0.2996, 0.3313



31.3941, 0.2334, 0.3601



1.8999, 0.2317, 0.3541

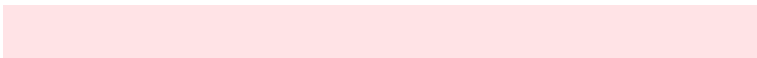


# Inverse Universe

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



56.8740, 0.3274, 0.3267



81.8703, 0.3305, 0.3263



60.2821, 0.3280, 0.3379



12.4408, 0.3276, 0.3267



8.6819, 0.6277, 0.3231

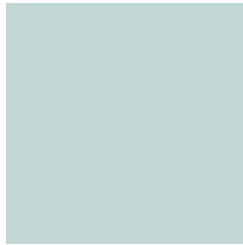


0.5307, 0.5954, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 64.3159, 0.2997, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

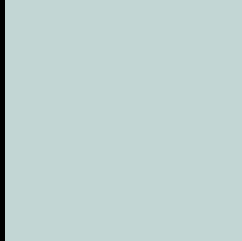
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3159, 0.2997, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

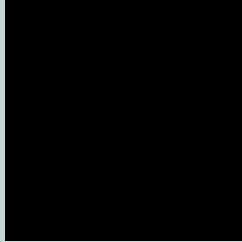
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

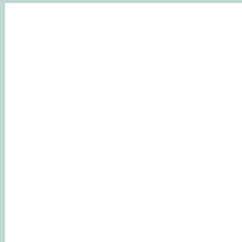
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.3159, 0.2997, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3159, 0.2997, 0.3313.

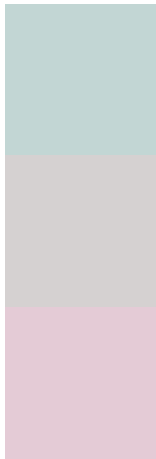


This preview shows how white text looks on a background with the Yxy color 64.3159, 0.2997, 0.3313.

# 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



### Original Color

64.3159, 0.2997, 0.3313

### Protanopia

64.3505, 0.3157, 0.3290

### Deuteranopia

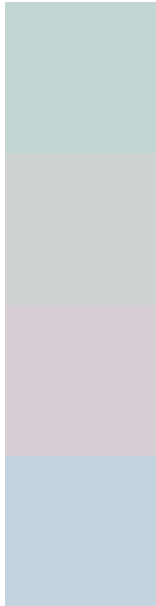
64.0609, 0.3241, 0.3170



## Tritanopia

64.0603, 0.2915, 0.3095

# Trichromacy



## Original Color

64.3159, 0.2997, 0.3313

## Protanomaly

64.3635, 0.3097, 0.3301

## Deuteranomaly

64.0287, 0.3153, 0.3223

## Tritanomaly

64.0967, 0.2946, 0.3174

# Monochromacy



## Original Color

64.3159, 0.2997, 0.3313

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.3931, 0.3082, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3159, 0.2997, 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(194, 214, 212)` looks like.

```
.text, #text, p{  
    color:rgb(194, 214, 212)  
}
```

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(194, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 214, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3159, 0.2997, 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(194, 214, 212) }
```

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

```
.border{ border-color:rgb(194, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 214, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 214, 212);  
box-shadow:4px 4px 4px 4px rgb(194, 214,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3159, 0.2997, 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(194, 214, 212) }
```

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

```
.background{ background-color: rgb(194,  
214, 212) }
```

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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