

# Converting Colors

Yxy(62.4013, 0.3063, 0.3317)

Have a look what the booklet for  
Yxy(62.4013, 0.3063, 0.3317)  
contains.

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# Color

**Yxy(62.2480, 0.3067, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7D1CF
RGB	199, 209, 207
RGB Percent	78%, 82%, 81%
CMY	0.2194, 0.1804, 0.1882
CMYK	0.05, 0.00, 0.01, 0.18
HSL	168°, 10%, 80%
HSV	168°, 5%, 82%
XYZ	57.6259, 62.2480, 68.0162
YIQ	205.7820, -5.3180, -2.7420

# Conversions

## Conversions Part 2

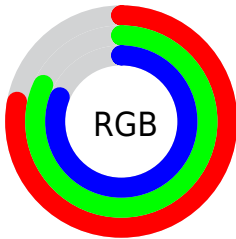
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 205, 209
Decimal	13095375
CIE Lab	83.05, -3.73, -0.20
CIE LCh	83, 3.739, 183.070
Yxy	62.2480, 0.3067, 0.3313
Android (android.graphics.Color)	4291285455 (0xFFC7D1CF)
YUV	205.7820, 0.6005, -5.9478
Hunter-Lab	78.8974, -7.6958, 4.1152

# Details

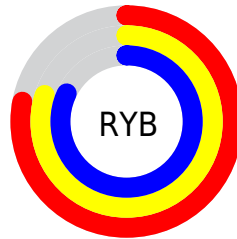
The Yxy color **62.2480, 0.3067, 0.3313** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.6402, 0.3191, 0.3267**, and the grayscale version is **61.5794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.7623, 0.3048, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **59.3838, 0.2944, 0.3365**, and if you desaturate by 10%, it is **65.5155, 0.3194, 0.3266**.

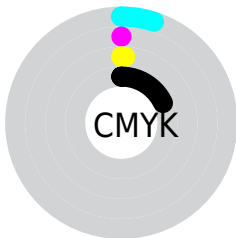
# Distribution



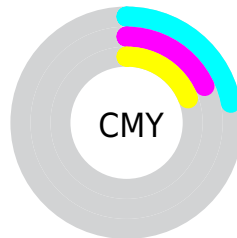
- Red (78%)
- Green (82%)
- Blue (81%)



- Red (78%)
- Yellow (80%)
- Blue (82%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (22%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2480, 0.3067, 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 62.2480, 0.3067, 0.3313 by changing the saturation by 10% instead.



■ 62.2480, 0.3067,  
0.3313

■ 62.2480, 0.3067,  
0.3313

432.8351, 0.3096,  
0.3302

■ 45.2331, 0.3060,  
0.3316

108.0839, 0.3077,  
0.3309

■ 31.6411, 0.3052,  
0.3319

137.6737, 0.3081,  
0.3308

■ 21.0875, 0.3041,  
0.3323

172.2239, 0.3084,  
0.3306

■ 13.1880, 0.3026,  
0.3328

212.1189, 0.3087,  
0.3305

■ 7.5581, 0.3006,  
0.3336

257.7432, 0.3090,  
0.3304

■ 3.8135, 0.2975,  
0.3348

309.4810, 0.3092,

■ 1.5698, 0.2922,

0.3304

367.7169, 0.3094,  
0.3303

0.3367

0.3371, 0.2420,  
0.3558

0.0000, 0.0000,  
0.0000

62.2480, 0.3067,  
0.3313

62.2480, 0.3067,  
0.3313

59.3838, 0.2944,  
0.3365

65.5155, 0.3194,  
0.3266

56.8990, 0.2828,  
0.3422


69.1933, 0.3323,  
0.3224

54.7793, 0.2722,  
0.3483


71.9969, 0.3401,  
0.3184


53.0063, 0.2629,  
0.3549

72.2194, 0.3370,  
0.3143

 51.5600, 0.2551,  
0.3618

 72.4474, 0.3340,  
0.3101


 50.4186, 0.2491,  
0.3689


 72.6809, 0.3310,  
0.3060


 49.5572, 0.2450,  
0.3761

 72.9200, 0.3280,  
0.3020

 48.9473, 0.2428,  
0.3834

 73.1648, 0.3250,  
0.2980

 48.5540, 0.2426,  
0.3906

 73.4152, 0.3221,  
0.2940

# Harmonies

## Analogous

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



62.2480, 0.3110, 0.3350



62.2480, 0.3067, 0.3313



62.2480, 0.3040, 0.3270

# Triad

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



62.2480, 0.3067, 0.3313



62.2480, 0.3096, 0.3211



62.2480, 0.3219, 0.3347

# Complementary

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



62.2480, 0.3067, 0.3313



58.6402, 0.3191, 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.



62.2480, 0.3215, 0.3309



62.2480, 0.3067, 0.3313



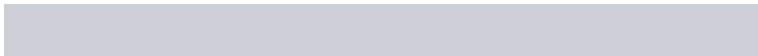
62.2480, 0.3144, 0.3232

# Square

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



62.2480, 0.3067, 0.3313



62.2480, 0.3057, 0.3212



62.2480, 0.3188, 0.3267



62.2480, 0.3198, 0.3369



# Rectangle

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



62.2480, 0.3067, 0.3313



62.2480, 0.3035, 0.3244



62.2480, 0.3188, 0.3267



62.2480, 0.3220, 0.3335

# Sweetspot

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



62.2506, 0.3067, 0.3313



99.4869, 0.3114, 0.3295



62.1447, 0.3137, 0.3407



21.2997, 0.3115, 0.3295



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

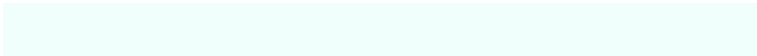


# Same Dimension

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



62.2506, 0.3067, 0.3313



97.0182, 0.3051, 0.3320



60.8977, 0.3054, 0.3255



13.5470, 0.3044, 0.3322



29.8601, 0.2426, 0.3933



1.6801, 0.2389, 0.3801



# Inverse Universe

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



58.6402, 0.3191, 0.3267



89.8593, 0.3210, 0.3261



59.9346, 0.3203, 0.3325



12.4632, 0.3217, 0.3258



8.4704, 0.6063, 0.3114

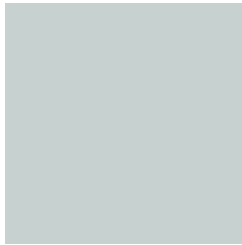


0.4851, 0.5552, 0.2832



# Previews

## White Background



This preview shows how the Yxy color 62.2480, 0.3067, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

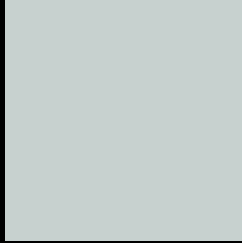
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.2480, 0.3067, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

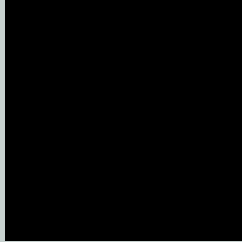
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

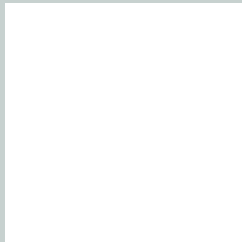
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.2480, 0.3067, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.2480, 0.3067, 0.3313.



This preview shows how white text looks on a background with the Yxy color 62.2480, 0.3067, 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

62.2480, 0.3067, 0.3313

### Protanopia

62.3993, 0.3172, 0.3302

### Deuteranopia

61.9196, 0.3257, 0.3190



## Tritanopia

62.5099, 0.2981, 0.3107

# Trichromacy



## Original Color

62.2480, 0.3067, 0.3313

## Protanomaly

62.3473, 0.3134, 0.3302

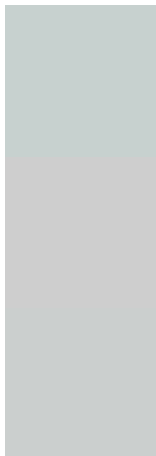
## Deuteranomaly

61.8649, 0.3191, 0.3234

## Tritanomaly

62.5390, 0.3014, 0.3186

# Monochromacy



## Original Color

62.2480, 0.3067, 0.3313

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.7784, 0.3104, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.2480, 0.3067, 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(199, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(199, 209, 207)  
}
```

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(199, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 209, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 62.2480, 0.3067, 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(199, 209, 207) }
```

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

```
.border{ border-color:rgb(199, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(199, 209,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.2480, 0.3067, 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(199, 209, 207) }
```

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

```
.background{ background-color: rgb(199,  
209, 207) }
```

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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