

# Converting Colors

$Yxy(62.8255, 0.3060, 0.3362)$

Have a look what the booklet for  
Yxy(62.8255, 0.3060, 0.3362)  
contains.

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# Color

**Yxy(62.7321, 0.3058, 0.3361)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4D3CD
RGB	196, 211, 205
RGB Percent	77%, 83%, 80%
CMY	0.2313, 0.1725, 0.1962
CMYK	0.07, 0.00, 0.03, 0.17
HSL	156°, 15%, 80%
HSV	156°, 7%, 83%
XYZ	57.0767, 62.7321, 66.8383
YIQ	205.8310, -7.0140, -5.0460

# Conversions

## Conversions Part 2

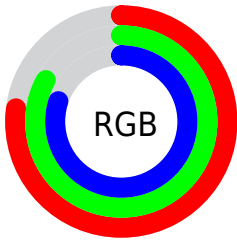
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 205, 211
Decimal	12899277
CIELab	83.30, -6.19, 1.23
CIELCh	83, 6.309, 168.720
Yxy	62.7321, 0.3058, 0.3361
Android (android.graphics.Color)	4291089357 (0xFFC4D3CD)
YUV	205.8310, -0.4097, -8.6218
Hunter-Lab	79.2036, -9.9734, 5.4089

# Details

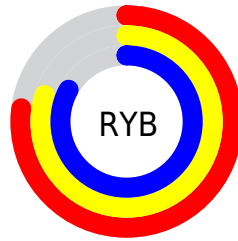
The Yxy color **62.7321, 0.3058, 0.3361** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.5990, 0.3202, 0.3220**, and the grayscale version is **61.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **32.0991, 0.3036, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **59.7023, 0.2963, 0.3471**, and if you desaturate by 10%, it is **66.1875, 0.3155, 0.3263**.

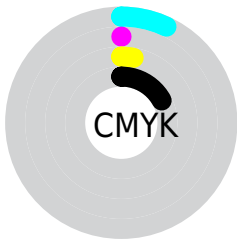
# Distribution



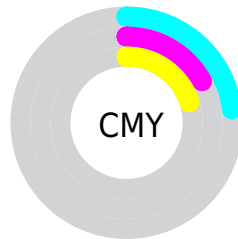
- Red (77%)
- Green (83%)
- Blue (80%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7321, 0.3058, 0.3361 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 62.7321, 0.3058, 0.3361 by changing the saturation by 10% instead.



■ 62.7321, 0.3058,  
0.3361

■ 62.7321, 0.3058,  
0.3361

434.5966, 0.3091,  
0.3327

■ 45.6245, 0.3050,  
0.3369

108.7829, 0.3070,  
0.3349

■ 31.9496, 0.3040,  
0.3379

138.4949, 0.3074,  
0.3344

■ 21.3230, 0.3028,  
0.3392

173.1772, 0.3078,  
0.3341

■ 13.3603, 0.3011,  
0.3409

213.2142, 0.3081,  
0.3337

■ 7.6771, 0.2987,  
0.3434

258.9902, 0.3084,  
0.3334

■ 3.8891, 0.2951,  
0.3472

310.8897, 0.3087,

■ 1.6117, 0.2890,

0.3332

369.2970, 0.3089,  
0.3329

0.3535

0.3655, 0.2248,  
0.4184

0.0000, 0.0000,  
0.0000

62.7321, 0.3058,  
0.3361

62.7321, 0.3058,  
0.3361

59.7023, 0.2963,  
0.3471

66.1875, 0.3155,  
0.3263

57.0731, 0.2873,  
0.3591


70.0763, 0.3254,  
0.3175

54.8292, 0.2791,  
0.3723


73.5898, 0.3318,  
0.3096

52.9511, 0.2721,  
0.3865


74.0798, 0.3258,  
0.3013


 51.4178, 0.2664,  
0.4014


 74.5934, 0.3199,  
0.2932

 50.2057, 0.2625,  
0.4169

 75.0717, 0.3147,  
0.2861

 49.2884, 0.2605,  
0.4326

 48.6349, 0.2606,  
0.4483

 48.2043, 0.2626,  
0.4636

# Harmonies

## Analogous

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



62.7321, 0.3137, 0.3412



62.7321, 0.3058, 0.3361



62.7321, 0.2998, 0.3290

# Triad

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



62.7321, 0.3058, 0.3361



62.7321, 0.3040, 0.3154



62.7321, 0.3284, 0.3356

# Complementary

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



62.7321, 0.3058, 0.3361



57.5990, 0.3202, 0.3220

# 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.



62.7321, 0.3258, 0.3288



62.7321, 0.3058, 0.3361



62.7321, 0.3116, 0.3172

# Square

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



62.7321, 0.3058, 0.3361



62.7321, 0.2988, 0.3171



62.7321, 0.3196, 0.3221



62.7321, 0.3268, 0.3409



# Rectangle

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



62.7321, 0.3058, 0.3361



62.7321, 0.2977, 0.3243



62.7321, 0.3196, 0.3221



62.7321, 0.3280, 0.3335

# Sweetspot

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



62.7348, 0.3058, 0.3361



98.9140, 0.3107, 0.3310



63.1700, 0.3165, 0.3466



21.1831, 0.3108, 0.3309



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.



62.7348, 0.3058, 0.3361



95.3236, 0.3039, 0.3382



62.4132, 0.3018, 0.3275



13.3232, 0.3036, 0.3385



29.0475, 0.2627, 0.4656



1.6396, 0.2549, 0.4377



# Inverse Universe

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



57.5990, 0.3202, 0.3220



85.3693, 0.3225, 0.3200



57.8848, 0.3246, 0.3305



11.8860, 0.3228, 0.3197



8.7718, 0.5352, 0.2722

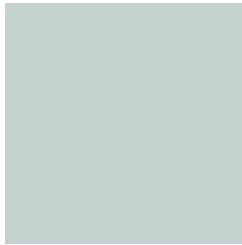


0.5060, 0.4868, 0.2455



# Previews

## White Background



This preview shows how the Yxy color 62.7321, 0.3058, 0.3361 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 62.7321, 0.3058, 0.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

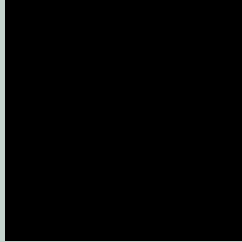
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

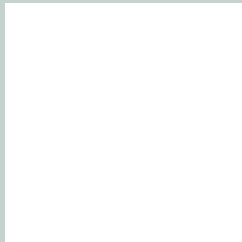
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7321, 0.3058, 0.3361**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7321, 0.3058, 0.3361.



This preview shows how white text looks on a background with the Yxy color 62.7321, 0.3058, 0.3361.

# 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

62.7321, 0.3058, 0.3361

### Protanopia

62.4039, 0.3201, 0.3336

### Deuteranopia

62.6092, 0.3287, 0.3224



## Tritanopia

62.6901, 0.2947, 0.3095

# Trichromacy



## Original Color

62.7321, 0.3058, 0.3361

## Protanomaly

62.5454, 0.3147, 0.3348

## Deuteranomaly

62.7178, 0.3204, 0.3279

## Tritanomaly

62.6687, 0.2986, 0.3185

# Monochromacy



## Original Color

62.7321, 0.3058, 0.3361

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.1245, 0.3096, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7321, 0.3058, 0.3361 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, 211, 205)` looks like.

```
.text, #text, p{  
    color:rgb(196, 211, 205)  
}
```

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, 211, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 211, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7321, 0.3058, 0.3361 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, 211, 205) }
```

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

```
.border{ border-color:rgb(196, 211, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 211, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 211, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 211, 205);  
box-shadow:4px 4px 4px 4px rgb(196, 211,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7321, 0.3058, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 211, 205) }
```

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

```
.background{ background-color: rgb(196,  
211, 205) }
```

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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