

# Converting Colors

$Y_{xy}(62.9275, 0.2981, 0.3271)$

Have a look what the booklet for  
Yxy(62.9275, 0.2981, 0.3271)  
contains.

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# Color

**Yxy(62.7301, 0.2983, 0.3266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1D3D5
RGB	193, 211, 213
RGB Percent	76%, 83%, 84%
CMY	0.2432, 0.1725, 0.1647
CMYK	0.09, 0.01, 0.00, 0.16
HSL	186°, 19%, 80%
HSV	186°, 9%, 84%
XYZ	57.2945, 62.7301, 72.0455
YIQ	205.8460, -11.3700, -3.1940

# Conversions

## Conversions Part 2

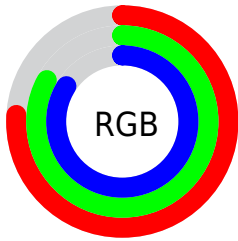
Format	Color
<a href="#">RYB</a>	<a href="#">193, 202, 213</a>
Decimal	<a href="#">12702677</a>
CIELab	<a href="#">83.30, -5.65, -3.07</a>
CIELCh	<a href="#">83, 6.428, 208.550</a>
Yxy	<a href="#">62.7301, 0.2983, 0.3266</a>
Android (android.graphics.Color)	<a href="#">4290892757 (0xFFC1D3D5)</a>
YUV	<a href="#">205.8460, 3.5269, -11.2659</a>
Hunter-Lab	<a href="#">79.2023, -9.4782, 1.5092</a>

# Details

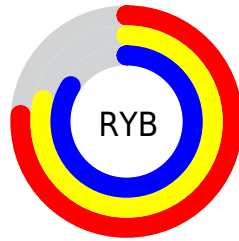
The Yxy color **62.7301, 0.2983, 0.3266** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.0218, 0.3288, 0.3314**, and the grayscale version is **61.6005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **32.0715, 0.2948, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **59.0807, 0.2835, 0.3238**, and if you desaturate by 10%, it is **66.8020, 0.3136, 0.3291**.

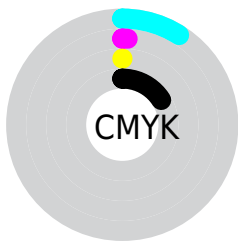
# Distribution



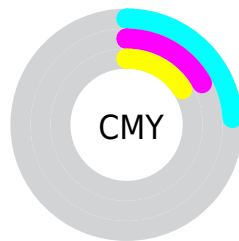
- Red (76%)
- Green (83%)
- Blue (84%)



- Red (76%)
- Yellow (79%)
- Blue (84%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7301, 0.2983, 0.3266 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 62.7301, 0.2983, 0.3266 by changing the saturation by 10% instead.



■ 62.7301, 0.2983,  
0.3266

■ 62.7301, 0.2983,  
0.3266

434.5893, 0.3051,  
0.3278

■ 45.6229, 0.2967,  
0.3263

■ 108.7800, 0.3007,  
0.3270

■ 31.9483, 0.2947,  
0.3259

138.4916, 0.3016,  
0.3272

■ 21.3220, 0.2921,  
0.3255

173.1733, 0.3024,  
0.3273

■ 13.3596, 0.2887,  
0.3248

213.2097, 0.3031,  
0.3274

■ 7.6766, 0.2839,  
0.3238

258.9851, 0.3037,  
0.3275

■ 3.8887, 0.2767,  
0.3223

310.8839, 0.3042,

■ 1.6115, 0.2649,

0.3276

0.3197

369.2905, 0.3047,  
0.3277

0.3653, 0.1764,  
0.3077

0.0000, 0.0000,  
0.0000

62.7301, 0.2983,  
0.3266

62.7301, 0.2983,  
0.3266

59.0807, 0.2835,  
0.3238

66.8020, 0.3136,  
0.3291

55.8287, 0.2696,  
0.3209

71.3046, 0.3293,  
0.3315

52.9582, 0.2569,  
0.3177

75.8961, 0.3435,  
0.3335

50.4494, 0.2456,  
0.3144

77.0040, 0.3432,  
0.3357

■ 48.2804, 0.2359,  
0.3110

■ 78.1262, 0.3428,  
0.3378

■ 46.4269, 0.2282,  
0.3075

■ 79.2626, 0.3425,  
0.3399

■ 44.8613, 0.2223,  
0.3040

■ 80.4134, 0.3421,  
0.3421

■ 43.5509, 0.2184,  
0.3006

■ 81.5785, 0.3418,  
0.3442

■ 42.4408, 0.2160,  
0.2972

■ 82.7581, 0.3414,  
0.3463

# Harmonies

## Analogous

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



62.7301, 0.3034, 0.3340



62.7301, 0.2983, 0.3266



62.7301, 0.2970, 0.3200

# Triad

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



62.7301, 0.2983, 0.3266



62.7301, 0.3143, 0.3183



62.7301, 0.3256, 0.3422

# Complementary

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



62.7301, 0.2983, 0.3266



57.0218, 0.3288, 0.3314

# 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.



62.7301, 0.3287, 0.3378



62.7301, 0.2983, 0.3266



62.7301, 0.3221, 0.3241

# Square

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



62.7301, 0.2983, 0.3266



62.7301, 0.3062, 0.3153



62.7301, 0.3274, 0.3311



62.7301, 0.3191, 0.3431

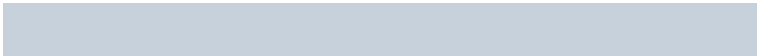


# Rectangle

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



62.7301, 0.2983, 0.3266



62.7301, 0.2985, 0.3169



62.7301, 0.3274, 0.3311



62.7301, 0.3271, 0.3411

# Sweetspot

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



62.7327, 0.2983, 0.3266



98.0907, 0.3080, 0.3283



62.8539, 0.3105, 0.3510



20.8884, 0.3068, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

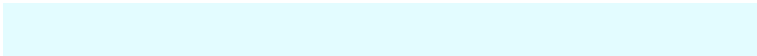


# Same Dimension

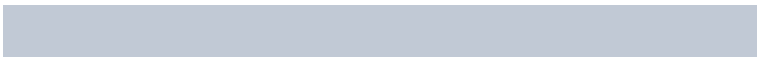
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7327, 0.2983, 0.3266



93.2861, 0.2957, 0.3261



58.0668, 0.2982, 0.3151



13.8857, 0.2983, 0.3266



25.9683, 0.2160, 0.2975



1.6290, 0.2176, 0.3034



# Inverse Universe

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



56.9844, 0.3153, 0.3083



83.2115, 0.3158, 0.3045



61.5006, 0.3276, 0.3426



12.6103, 0.3153, 0.3083



10.9664, 0.3476, 0.1689

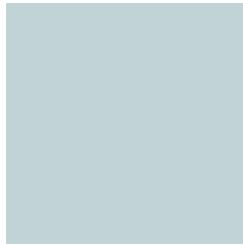


0.6678, 0.3425, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 62.7301, 0.2983, 0.3266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

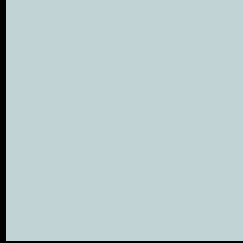
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7301, 0.2983, 0.3266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

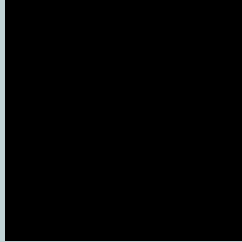
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

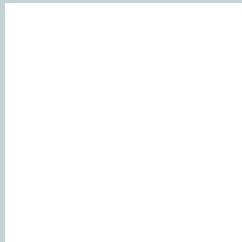
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7301, 0.2983, 0.3266**

## Background



This preview shows how black text looks on a background with the Yxy color 62.7301, 0.2983, 0.3266.

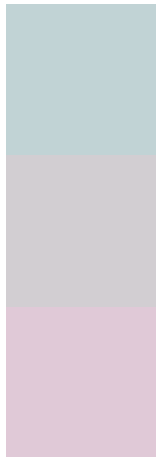


This preview shows how white text looks on a background with the Yxy color 62.7301, 0.2983, 0.3266.

# 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

62.7301, 0.2983, 0.3266

### Protanopia

62.4974, 0.3129, 0.3244

### Deuteranopia

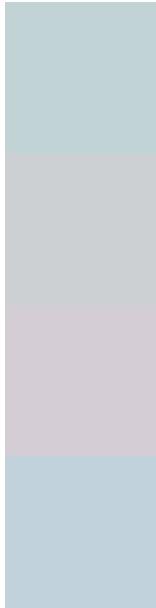
62.5269, 0.3204, 0.3136



## Tritanopia

62.6940, 0.2913, 0.3093

# Trichromacy



## Original Color

62.7301, 0.2983, 0.3266

## Protanomaly

62.6523, 0.3077, 0.3255

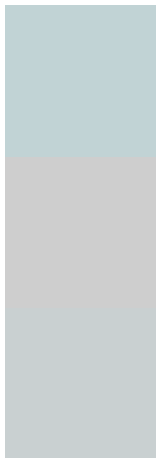
## Deuteranomaly

62.6638, 0.3124, 0.3188

## Tritanomaly

62.7830, 0.2938, 0.3162

# Monochromacy



## Original Color

62.7301, 0.2983, 0.3266

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.1327, 0.3068, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7301, 0.2983, 0.3266 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(193, 211, 213)` looks like.

```
.text, #text, p{  
    color:rgb(193, 211, 213)  
}
```

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(193, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 211, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7301, 0.2983, 0.3266 is called "border". The border property can be set on classes, ids or directly on the HTML element.

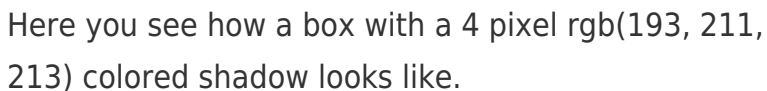
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 211, 213) }
```

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

```
.border{ border-color:rgb(193, 211, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 211, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 211, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 211, 213); box-shadow:4px 4px 4px 4px rgb(193, 211, 213) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7301, 0.2983, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 211, 213) }
```

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

```
.background{ background-color: rgb(193,  
211, 213) }
```

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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