

# Converting Colors

$Yxy(62.3698, 0.2955, 0.3175)$

Have a look what the booklet for  
Yxy(62.3698, 0.2955, 0.3175)  
contains.

<b>Yxy(62.3175, 0.2958, 0.3173)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.3175, 0.2958, 0.3173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3D1DB
RGB	195, 209, 219
RGB Percent	76%, 82%, 86%
CMY	0.2352, 0.1804, 0.1412
CMYK	0.11, 0.05, 0.00, 0.14
HSL	205°, 25%, 81%
HSV	205°, 11%, 86%
XYZ	58.0949, 62.3175, 75.9869
YIQ	205.9540, -11.5540, 0.1420

# Conversions

## Conversions Part 2

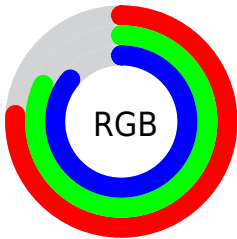
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">195, 204, 219</a>
Decimal	<a href="#">12833243</a>
CIELab	<a href="#">83.08, -2.75, -6.57</a>
CIELCh	<a href="#">83, 7.122, 247.303</a>
Yxy	<a href="#">62.3175, 0.2958, 0.3173</a>
Android (android.graphics.Color)	<a href="#">4291023323 (0xFFC3D1DB)</a>
YUV	<a href="#">205.9540, 6.4317, -9.6067</a>
Hunter-Lab	<a href="#">78.9414, -6.7850, -1.8119</a>

# Details

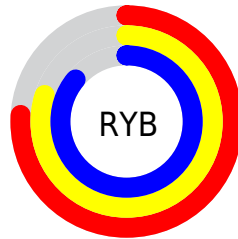
The Yxy color **62.3175, 0.2958, 0.3173** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.6725, 0.3308, 0.3404**, and the grayscale version is **61.6569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **31.7857, 0.2914, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **55.2598, 0.2800, 0.3054**, and if you desaturate by 10%, it is **70.0651, 0.3113, 0.3280**.

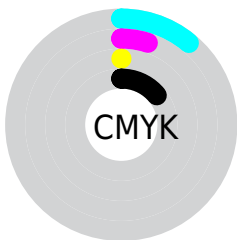
# Distribution



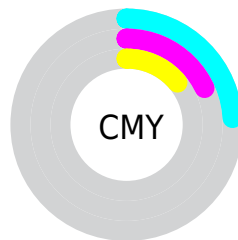
- Red (76%)
- Green (82%)
- Blue (86%)



- Red (76%)
- Yellow (80%)
- Blue (86%)



- Cyan (11%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)



- Cyan (24%)
- Magenta (18%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3175, 0.2958, 0.3173 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 62.3175, 0.2958, 0.3173 by changing the saturation by 10% instead.



■ 62.3175, 0.2958,  
0.3173

■ 62.3175, 0.2958,  
0.3173

■ 433.0883, 0.3038,  
0.3229

■ 45.2893, 0.2939,  
0.3160

■ 108.1843, 0.2986,  
0.3193

■ 31.6854, 0.2916,  
0.3143

■ 137.7916, 0.2997,  
0.3200

■ 21.1213, 0.2886,  
0.3122

■ 172.3608, 0.3006,  
0.3207

■ 13.2127, 0.2845,  
0.3093

■ 212.2763, 0.3014,  
0.3213

■ 7.5752, 0.2789,  
0.3052

■ 257.9223, 0.3021,  
0.3217

■ 3.8243, 0.2705,  
0.2990

■ 309.6834, 0.3028,

■ 1.5758, 0.2567,

0.3222

0.2886

367.9440, 0.3033,  
0.3226

0.3412, 0.1800,  
0.2387

0.0000, 0.0000,  
0.0000

62.3175, 0.2958,  
0.3173

62.3175, 0.2958,  
0.3173

55.2598, 0.2800,  
0.3054

70.0651, 0.3113,  
0.3280

48.8615, 0.2642,  
0.2923

78.5165, 0.3262,  
0.3376

43.1007, 0.2487,  
0.2782

86.5945, 0.3365,  
0.3463

37.9516, 0.2339,  
0.2631

92.0001, 0.3352,  
0.3552

■ 33.3858, 0.2202,  
0.2473

■ 97.6786, 0.3340,  
0.3638

■ 29.3721, 0.2082,  
0.2310

■ 97.8947, 0.3339,  
0.3641

■ 25.8753, 0.1981,  
0.2147

■ 22.8544, 0.1902,  
0.1987

■ 20.4711, 0.1847,  
0.1847

# Harmonies

## Analogous

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



62.3175, 0.2958, 0.3240



62.3175, 0.2958, 0.3173



62.3175, 0.3002, 0.3139

# Triad

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



62.3175, 0.2958, 0.3173



62.3175, 0.3252, 0.3257



62.3175, 0.3173, 0.3441

# Complementary

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



62.3175, 0.2958, 0.3173



62.6725, 0.3308, 0.3404

# 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.



62.3175, 0.3253, 0.3444



62.3175, 0.2958, 0.3173



62.3175, 0.3299, 0.3336

# Square

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



62.3175, 0.2958, 0.3173



62.3175, 0.3172, 0.3188



62.3175, 0.3299, 0.3405



62.3175, 0.3081, 0.3396



# Rectangle

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



62.3175, 0.2958, 0.3173



62.3175, 0.3051, 0.3138



62.3175, 0.3299, 0.3405



62.3175, 0.3202, 0.3447

# Sweetspot

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



62.3201, 0.2958, 0.3173



96.5595, 0.3081, 0.3259



66.6778, 0.3049, 0.3454



20.4742, 0.3069, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

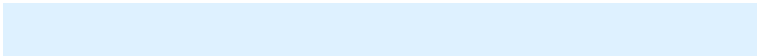


# Same Dimension

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



62.3201, 0.2958, 0.3173



85.7415, 0.2924, 0.3148



56.6569, 0.2956, 0.3030



13.8721, 0.2982, 0.3190



12.3587, 0.1853, 0.1870



0.9694, 0.1924, 0.2125



# Inverse Universe

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



58.7006, 0.3214, 0.3132



79.7844, 0.3234, 0.3100



68.6303, 0.3292, 0.3537



13.1782, 0.3201, 0.3155



9.8714, 0.4602, 0.2309

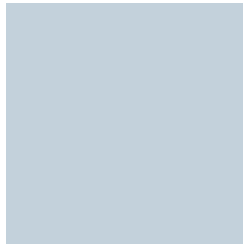


0.6566, 0.4314, 0.2150



# Previews

## White Background



This preview shows how the Yxy color 62.3175, 0.2958, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

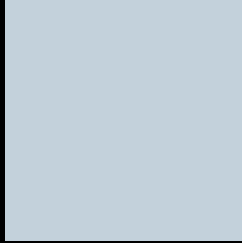
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3175, 0.2958, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

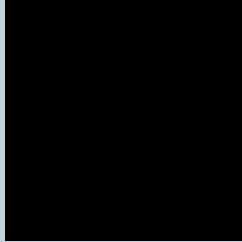
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

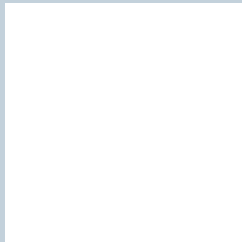
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.3175, 0.2958, 0.3173**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3175, 0.2958, 0.3173.



This preview shows how white text looks on a background with the Yxy color 62.3175, 0.2958, 0.3173.

# 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

62.3175, 0.2958, 0.3173

### Protanopia

61.9378, 0.3059, 0.3153

### Deuteranopia

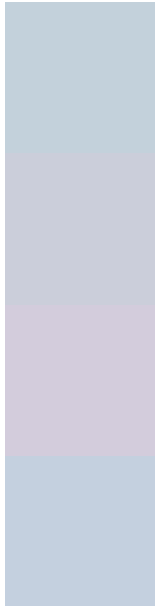
62.2094, 0.3130, 0.3069



## Tritanopia

62.2838, 0.2926, 0.3093

# Trichromacy



## Original Color

62.3175, 0.2958, 0.3173

## Protanomaly

61.9011, 0.3022, 0.3152

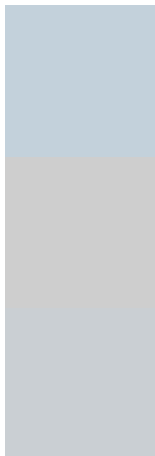
## Deuteranomaly

62.2019, 0.3068, 0.3109

## Tritanomaly

62.1752, 0.2939, 0.3116

# Monochromacy



## Original Color

62.3175, 0.2958, 0.3173

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.8854, 0.3062, 0.3243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3175, 0.2958, 0.3173 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(195, 209, 219)` looks like.

```
.text, #text, p{  
    color:rgb(195, 209, 219)  
}
```

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(195, 209, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 209, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3175, 0.2958, 0.3173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

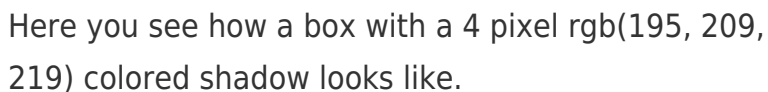
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 209, 219) }
```

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

```
.border{ border-color:rgb(195, 209, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 209, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 209, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 209, 219); box-shadow:4px 4px 4px 4px rgb(195, 209, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3175, 0.2958, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 209, 219) }
```

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

```
.background{ background-color: rgb(195,  
209, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor