

# Converting Colors

Yxy(58.9180, 0.3111, 0.3345)

Have a look what the booklet for  
Yxy(58.9180, 0.3111, 0.3345)  
contains.

<b>Yxy(58.7057, 0.3110, 0.3338)</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(58.7057, 0.3110, 0.3338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5CBC7
RGB	197, 203, 199
RGB Percent	77%, 80%, 78%
CMY	0.2273, 0.2039, 0.2197
CMYK	0.03, 0.00, 0.02, 0.20
HSL	140°, 5%, 78%
HSV	140°, 3%, 80%
XYZ	54.6958, 58.7057, 62.4693
YIQ	200.7500, -2.2920, -2.5160

# Conversions

## Conversions Part 2

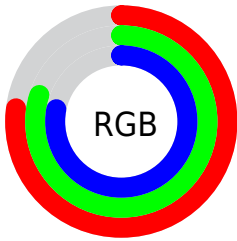
Format	Color
<b>RYB</b>	197, 202, 203
Decimal	12962759
CIELab	81.13, -2.77, 1.28
CIElCh	81, 3.055, 155.288
Yxy	58.7057, 0.3110, 0.3338
Android (android.graphics.Color)	4291152839 (0xFFC5CBC7)
YUV	200.7500, -0.8628, -3.2887
Hunter-Lab	76.6196, -6.6600, 5.2936

# Details

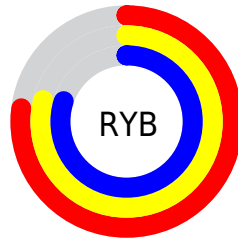
The Yxy color **58.7057, 0.3110, 0.3338** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8650, 0.3145, 0.3242**, and the grayscale version is **58.2561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **29.3789, 0.3104, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **55.5422, 0.3052, 0.3515**, and if you desaturate by 10%, it is **62.3003, 0.3168, 0.3182**.

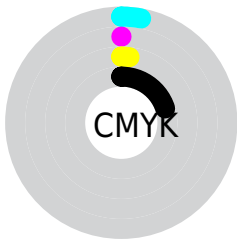
# Distribution



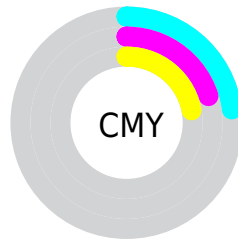
- Red (77%)
- Green (80%)
- Blue (78%)



- Red (77%)
- Yellow (79%)
- Blue (80%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (23%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7057, 0.3110, 0.3338 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 58.7057, 0.3110, 0.3338 by changing the saturation by 10% instead.



■ 58.7057, 0.3110,  
0.3338

■ 58.7057, 0.3110,  
0.3338

419.8104, 0.3118,  
0.3315

■ 42.3763, 0.3108,  
0.3344

102.9498, 0.3113,  
0.3330

■ 29.3960, 0.3105,  
0.3350

131.6333, 0.3114,  
0.3327

■ 19.3806, 0.3102,  
0.3360

165.2035, 0.3115,  
0.3324

■ 11.9456, 0.3098,  
0.3372

204.0449, 0.3116,  
0.3322

■ 6.7067, 0.3091,  
0.3389

248.5419, 0.3117,  
0.3320

■ 3.2793, 0.3081,  
0.3417

299.0789, 0.3117,

■ 1.2792, 0.3064,

0.3318

0.3464

356.0403, 0.3118,  
0.3316

0.1250, 0.2292,  
0.5607

0.0000, 0.0000,  
0.0000

58.7057, 0.3110,  
0.3338

58.7057, 0.3110,  
0.3338

55.5422, 0.3052,  
0.3515

62.3003, 0.3168,  
0.3182

52.7862, 0.2994,  
0.3714

66.3338, 0.3225,  
0.3044

50.4230, 0.2941,  
0.3933

70.2621, 0.3257,  
0.2922

48.4342, 0.2893,  
0.4172

71.1059, 0.3160,  
0.2794

■ 46.7999, 0.2855,  
0.4425

■ 71.1902, 0.3151,  
0.2782

■ 45.4983, 0.2830,  
0.4685

■ 44.5050, 0.2820,  
0.4943

■ 43.7922, 0.2826,  
0.5187

■ 43.3266, 0.2850,  
0.5406

# Harmonies

## Analogous

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



58.7057, 0.3150, 0.3356



58.7057, 0.3110, 0.3338



58.7057, 0.3075, 0.3307

# Triad

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



58.7057, 0.3110, 0.3338



58.7057, 0.3071, 0.3224



58.7057, 0.3201, 0.3309

# Complementary

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



58.7057, 0.3110, 0.3338



56.8650, 0.3145, 0.3242

# 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.



58.7057, 0.3180, 0.3274



58.7057, 0.3110, 0.3338



58.7057, 0.3104, 0.3225

# Square

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



58.7057, 0.3110, 0.3338



58.7057, 0.3052, 0.3241



58.7057, 0.3144, 0.3243



58.7057, 0.3203, 0.3339



# Rectangle

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



58.7057, 0.3110, 0.3338



58.7057, 0.3059, 0.3283



58.7057, 0.3144, 0.3243



58.7057, 0.3196, 0.3297

# Sweetspot

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



58.7082, 0.3110, 0.3338



99.4094, 0.3121, 0.3306



59.1758, 0.3155, 0.3361



21.2839, 0.3122, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

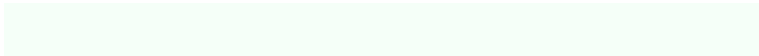


# Same Dimension

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



58.7082, 0.3110, 0.3338



97.6818, 0.3103, 0.3357



58.8453, 0.3089, 0.3303



12.9312, 0.3100, 0.3368



27.4487, 0.2866, 0.5517



1.4300, 0.2752, 0.5108



# Inverse Universe

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



56.8650, 0.3145, 0.3242



93.4514, 0.3152, 0.3224



56.7287, 0.3166, 0.3277



12.2823, 0.3156, 0.3214



9.2425, 0.4236, 0.2107

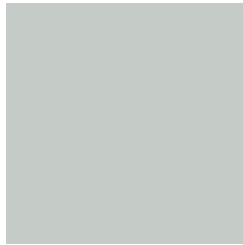


0.4904, 0.3987, 0.1970



# Previews

## White Background



This preview shows how the Yxy color 58.7057, 0.3110, 0.3338 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 58.7057, 0.3110, 0.3338 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

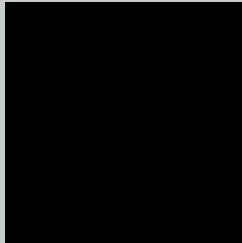
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

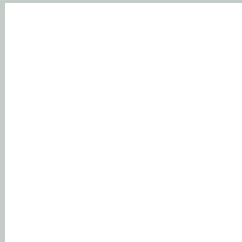
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.7057, 0.3110, 0.3338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7057, 0.3110, 0.3338.



This preview shows how white text looks on a background with the Yxy color 58.7057, 0.3110, 0.3338.

# 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

58.7057, 0.3110, 0.3338

### Protanopia

58.5076, 0.3189, 0.3314

### Deuteranopia

58.6194, 0.3291, 0.3222



## Tritanopia

58.5458, 0.3014, 0.3103

# Trichromacy



## Original Color

58.7057, 0.3110, 0.3338

## Protanomaly

58.5470, 0.3164, 0.3326

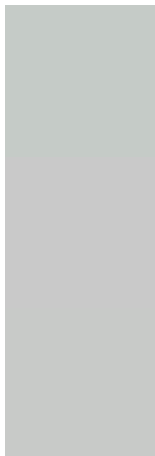
## Deuteranomaly

58.5553, 0.3223, 0.3267

## Tritanomaly

58.5685, 0.3048, 0.3184

# Monochromacy



## Original Color

58.7057, 0.3110, 0.3338

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.6906, 0.3126, 0.3314

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7057, 0.3110, 0.3338 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(197, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(197, 203, 199)  
}
```

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(197, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 203, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7057, 0.3110, 0.3338 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(197, 203, 199) }
```

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

```
.border{ border-color:rgb(197, 203, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 203, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 203, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 203, 199); box-shadow:4px 4px 4px 4px rgb(197, 203, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7057, 0.3110, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 203, 199) }
```

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

```
.background{ background-color: rgb(197,  
203, 199) }
```

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