

# Converting Colors

$Yxy(59.5957, 0.3083, 0.3303)$

Have a look what the booklet for  
Yxy(59.5957, 0.3083, 0.3303)  
contains.

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# Color

**Yxy(59.3678, 0.3081, 0.3302)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5CCCB
RGB	197, 204, 203
RGB Percent	77%, 80%, 80%
CMY	0.2275, 0.2000, 0.2040
CMYK	0.03, 0.00, 0.01, 0.20
HSL	171°, 6%, 79%
HSV	171°, 3%, 80%
XYZ	55.3944, 59.3678, 65.0313
YIQ	201.7930, -3.8510, -1.7950

# Conversions

## Conversions Part 2

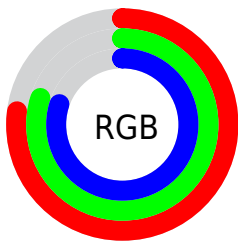
Format	Color
<a href="#">RYB</a>	<a href="#">197, 201, 204</a>
Decimal	<a href="#">12963019</a>
CIELab	<a href="#">81.49, -2.58, -0.34</a>
CIELCh	<a href="#">81, 2.602, 187.447</a>
Yxy	<a href="#">59.3678, 0.3081, 0.3302</a>
Android (android.graphics.Color)	<a href="#">4291153099</a> ( <a href="#">0xFFC5CCCB</a> )
YUV	<a href="#">201.7930, 0.5951, -4.2035</a>
Hunter-Lab	<a href="#">77.0505, -6.5083, 3.8941</a>

# Details

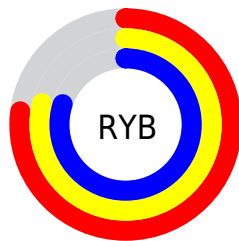
The Yxy color **59.3678, 0.3081, 0.3302** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.8433, 0.3175, 0.3278**, and the grayscale version is **58.9247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **29.8223, 0.3066, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **56.6602, 0.2950, 0.3339**, and if you desaturate by 10%, it is **62.4559, 0.3216, 0.3268**.

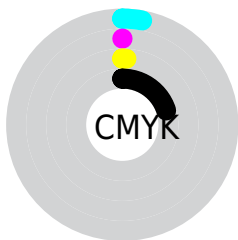
# Distribution



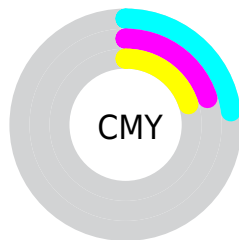
- Red (77%)
- Green (80%)
- Blue (80%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3678, 0.3081, 0.3302 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 59.3678, 0.3081, 0.3302 by changing the saturation by 10% instead.



■ 59.3678, 0.3081,  
0.3302

■ 59.3678, 0.3081,  
0.3302

422.2636, 0.3103,  
0.3296

■ 42.9093, 0.3076,  
0.3303

103.9120, 0.3089,  
0.3300

■ 29.8139, 0.3069,  
0.3305

132.7665, 0.3092,  
0.3299

■ 19.6974, 0.3060,  
0.3307

166.5218, 0.3094,  
0.3299

■ 12.1753, 0.3049,  
0.3310

205.5622, 0.3097,  
0.3298

■ 6.8632, 0.3032,  
0.3314

250.2722, 0.3099,  
0.3298

■ 3.3767, 0.3007,  
0.3320

301.0362, 0.3100,

■ 1.3314, 0.2964,

0.3297

0.3331

358.2385, 0.3102,  
0.3297

0.1653, 0.2033,  
0.3570

0.0000, 0.0000,  
0.0000

59.3678, 0.3081,  
0.3302

59.3678, 0.3081,  
0.3302

56.6602, 0.2950,  
0.3339

62.4559, 0.3216,  
0.3268

54.3105, 0.2827,  
0.3380

65.9309, 0.3354,  
0.3238


52.3055, 0.2714,  
0.3424


69.1984, 0.3466,  
0.3210

50.6281, 0.2614,  
0.3470

69.3495, 0.3443,  
0.3180

 49.2597, 0.2530,  
0.3519


 69.5033, 0.3421,  
0.3150

 48.1800, 0.2463,  
0.3570


 69.6600, 0.3398,  
0.3121

 47.3660, 0.2415,  
0.3621

 69.8194, 0.3376,  
0.3091

 46.7915, 0.2387,  
0.3673

 69.9816, 0.3354,  
0.3061

 46.4246, 0.2377,  
0.3724

 70.1466, 0.3332,  
0.3032

# Harmonies

## Analogous

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



59.3678, 0.3110, 0.3329



59.3678, 0.3081, 0.3302



59.3678, 0.3064, 0.3272

# Triad

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



59.3678, 0.3081, 0.3302



59.3678, 0.3110, 0.3235



59.3678, 0.3191, 0.3333

# Complementary

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



59.3678, 0.3081, 0.3302



56.8433, 0.3175, 0.3278

# 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.



59.3678, 0.3191, 0.3308



59.3678, 0.3081, 0.3302



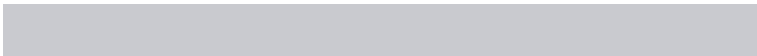
59.3678, 0.3144, 0.3252

# Square

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



59.3678, 0.3081, 0.3302



59.3678, 0.3081, 0.3234



59.3678, 0.3174, 0.3278



59.3678, 0.3174, 0.3347



# Rectangle

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



59.3678, 0.3081, 0.3302



59.3678, 0.3062, 0.3254



59.3678, 0.3174, 0.3278



59.3678, 0.3193, 0.3326

# Sweetspot

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



59.3703, 0.3081, 0.3302



99.4957, 0.3114, 0.3294



59.2324, 0.3131, 0.3374



21.3015, 0.3114, 0.3293



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.



59.3703, 0.3081, 0.3302



98.0213, 0.3073, 0.3304



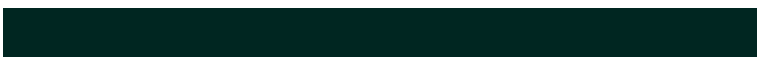
58.2599, 0.3075, 0.3261



12.9833, 0.3064, 0.3307



29.1238, 0.2375, 0.3750



1.5103, 0.2347, 0.3650



# Inverse Universe

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



56.8433, 0.3175, 0.3278



93.1151, 0.3184, 0.3276



57.9216, 0.3181, 0.3319



12.2308, 0.3194, 0.3274



8.1464, 0.6189, 0.3183

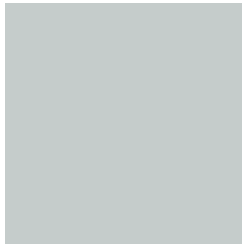


0.4290, 0.5722, 0.2926



# Previews

## White Background



This preview shows how the Yxy color 59.3678, 0.3081, 0.3302 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

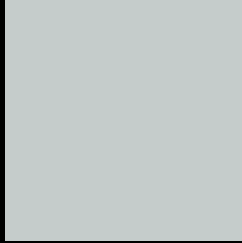
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.3678, 0.3081, 0.3302 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

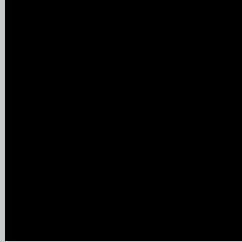
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

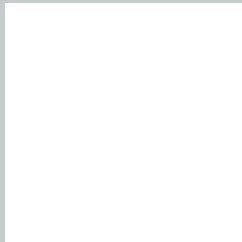
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.3678, 0.3081, 0.3302**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.3678, 0.3081, 0.3302.



This preview shows how white text looks on a background with the Yxy color 59.3678, 0.3081, 0.3302.

# 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

59.3678, 0.3081, 0.3302

### Protanopia

59.1121, 0.3166, 0.3290

### Deuteranopia

59.2598, 0.3260, 0.3189



## Tritanopia

59.4451, 0.2993, 0.3103

# Trichromacy



## Original Color

59.3678, 0.3081, 0.3302

## Protanomaly

59.2018, 0.3135, 0.3290

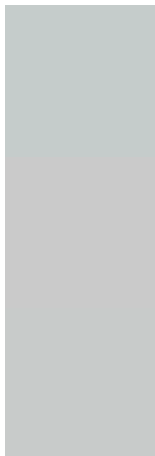
## Deuteranomaly

59.2035, 0.3193, 0.3233

## Tritanomaly

59.5217, 0.3019, 0.3172

# Monochromacy



## Original Color

59.3678, 0.3081, 0.3302

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.2555, 0.3111, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.3678, 0.3081, 0.3302 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, 204, 203)` looks like.

```
.text, #text, p{  
    color:rgb(197, 204, 203)  
}
```

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, 204, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 204, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 59.3678, 0.3081, 0.3302 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, 204, 203) }
```

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

```
.border{ border-color:rgb(197, 204, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 204, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 204, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 204, 203);  
box-shadow:4px 4px 4px 4px rgb(197, 204,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.3678, 0.3081, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 204, 203) }
```

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

```
.background{ background-color: rgb(197,  
204, 203) }
```

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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