

# Converting Colors

$Y_{xy}(52.6102, 0.3059, 0.3219)$

Have a look what the booklet for  
Yxy(52.6102, 0.3059, 0.3219)  
contains.

<b>Yxy(52.5953, 0.3059, 0.3216)</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(52.5953, 0.3059, 0.3216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC0C6
RGB	189, 192, 198
RGB Percent	74%, 75%, 78%
CMY	0.2588, 0.2470, 0.2237
CMYK	0.05, 0.03, 0.00, 0.22
HSL	220°, 7%, 76%
HSV	220°, 5%, 78%
XYZ	50.0277, 52.5953, 60.9196
YIQ	191.7870, -3.7140, 1.2300

# Conversions

## Conversions Part 2

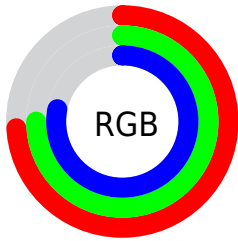
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 191, 198
Decimal	12435654
CIE Lab	77.64, 0.10, -3.36
CIE LCh	78, 3.363, 271.716
Yxy	52.5953, 0.3059, 0.3216
Android (android.graphics.Color)	4290625734 (0xFFBDC0C6)
YUV	191.7870, 3.0630, -2.4442
Hunter-Lab	72.5226, -3.7814, 0.9617

# Details

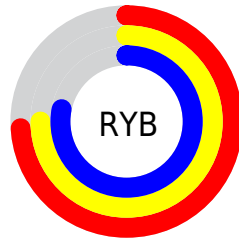
The Yxy color **52.5953, 0.3059, 0.3216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.6939, 0.3196, 0.3363**, and the grayscale version is **52.5661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7673, 0.3067, 0.3222**, and **25.7131, 0.3045, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **44.7048, 0.2900, 0.3038**, and if you desaturate by 10%, it is **61.3542, 0.3207, 0.3374**.

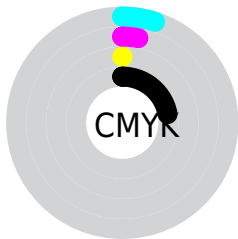
# Distribution



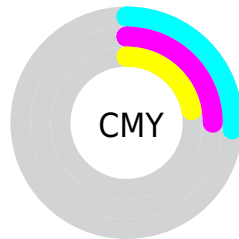
- Red (74%)
- Green (75%)
- Blue (78%)



- Red (74%)
- Yellow (75%)
- Blue (78%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (26%)
- Magenta (25%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5953, 0.3059, 0.3216 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 52.5953, 0.3059, 0.3216 by changing the saturation by 10% instead.



■ 52.5953, 0.3059,  
0.3216

■ 52.5953, 0.3059,  
0.3216

396.7305, 0.3092,  
0.3252

■ 37.4798, 0.3051,  
0.3207

■ 94.0086, 0.3071,  
0.3229

■ 25.5792, 0.3041,  
0.3196

121.0752, 0.3076,  
0.3234

■ 16.5091, 0.3027,  
0.3181

152.8942, 0.3079,  
0.3238

■ 9.8851, 0.3008,  
0.3161

189.8502, 0.3083,  
0.3242

■ 5.3229, 0.2981,  
0.3131

232.3274, 0.3086,  
0.3245

■ 2.4379, 0.2938,  
0.3085

280.7102, 0.3088,

■ 0.8453, 0.2858,

0.3248

0.2998

335.3831, 0.3090,  
0.3250

0.0000, 0.0000,  
0.0000

52.5953, 0.3059,  
0.3216

52.5953, 0.3059,  
0.3216

44.7048, 0.2900,  
0.3038

61.3542, 0.3207,  
0.3374

37.6485, 0.2732,  
0.2838

71.0009, 0.3342,  
0.3513

31.3997, 0.2556,  
0.2619

81.5626, 0.3466,  
0.3635

25.9278, 0.2377,  
0.2382

90.4734, 0.3487,  
0.3755

21.1998, 0.2201,  
0.2132

96.8556, 0.3466,  
0.3850

■ 17.1804, 0.2035,  
0.1877

■ 13.8308, 0.1887,  
0.1625

■ 11.1079, 0.1764,  
0.1388

■ 8.9619, 0.1672,  
0.1177

# Harmonies

## Analogous

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



52.5953, 0.3041, 0.3237



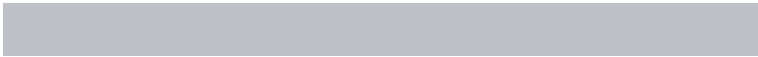
52.5953, 0.3059, 0.3216



52.5953, 0.3096, 0.3215

# Triad

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



52.5953, 0.3059, 0.3216



52.5953, 0.3210, 0.3307



52.5953, 0.3113, 0.3348

# Complementary

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



52.5953, 0.3059, 0.3216



54.6939, 0.3196, 0.3363

# 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.



52.5953, 0.3158, 0.3367



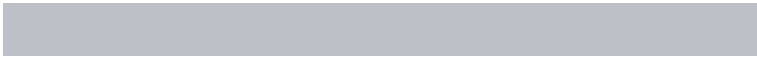
52.5953, 0.3059, 0.3216



52.5953, 0.3215, 0.3342

# Square

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



52.5953, 0.3059, 0.3216



52.5953, 0.3183, 0.3267



52.5953, 0.3196, 0.3365



52.5953, 0.3072, 0.3314



# Rectangle

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



52.5953, 0.3059, 0.3216



52.5953, 0.3126, 0.3225



52.5953, 0.3196, 0.3365



52.5953, 0.3128, 0.3357

# Sweetspot

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



52.5975, 0.3059, 0.3216



98.4412, 0.3112, 0.3274



55.1254, 0.3080, 0.3329



21.0869, 0.3113, 0.3275



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.



52.5975, 0.3059, 0.3216



92.3647, 0.3051, 0.3207



51.4692, 0.3071, 0.3179



11.5326, 0.3042, 0.3197



5.3412, 0.1638, 0.1097



0.3869, 0.1759, 0.1530



# Inverse Universe

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



52.2077, 0.3178, 0.3254



91.5985, 0.3184, 0.3249



55.8665, 0.3182, 0.3399



11.4268, 0.3191, 0.3244



8.0792, 0.5614, 0.2866



0.3961, 0.5020, 0.2539



# Previews

## White Background



This preview shows how the Yxy color 52.5953, 0.3059, 0.3216 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

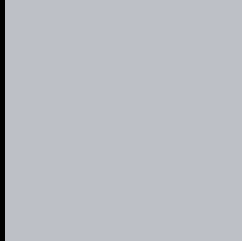
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.5953, 0.3059, 0.3216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

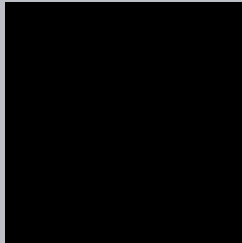
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

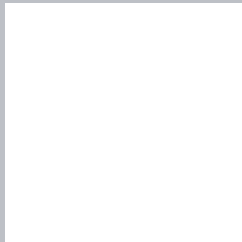
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.5953, 0.3059, 0.3216**

## Background



This preview shows how black text looks on a background with the Yxy color 52.5953, 0.3059, 0.3216.

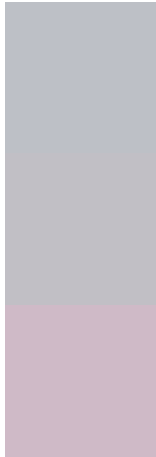


This preview shows how white text looks on a background with the Yxy color 52.5953, 0.3059, 0.3216.

# 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

52.5953, 0.3059, 0.3216

### Protanopia

52.6303, 0.3098, 0.3216

### Deuteranopia

52.5067, 0.3201, 0.3136



## Tritanopia

52.6650, 0.3009, 0.3106

# Trichromacy



## Original Color

52.5953, 0.3059, 0.3216

## Protanomaly

52.4993, 0.3090, 0.3216

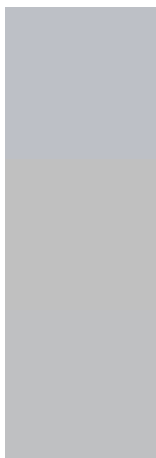
## Deuteranomaly

52.3693, 0.3142, 0.3157

## Tritanomaly

52.5205, 0.3030, 0.3142

# Monochromacy



## Original Color

52.5953, 0.3059, 0.3216

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

52.6707, 0.3104, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5953, 0.3059, 0.3216 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(189, 192, 198)` looks like.

```
.text, #text, p{  
    color:rgb(189, 192, 198)  
}
```

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(189, 192, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 192, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5953, 0.3059, 0.3216 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(189, 192, 198) }
```

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

```
.border{ border-color:rgb(189, 192, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 192, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 192, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 192, 198);  
box-shadow:4px 4px 4px 4px rgb(189, 192,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5953, 0.3059, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 192, 198) }
```

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

```
.background{ background-color: rgb(189,  
192, 198) }
```

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