

# Converting Colors

Yxy(53.9664, 0.3020, 0.3171)

Have a look what the booklet for  
Yxy(53.9664, 0.3020, 0.3171)  
contains.

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# Color

**Yxy(53.8904, 0.3023, 0.3168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEC2CC
RGB	190, 194, 204
RGB Percent	75%, 76%, 80%
CMY	0.2549, 0.2392, 0.2001
CMYK	0.07, 0.05, 0.00, 0.20
HSL	223°, 12%, 77%
HSV	223°, 7%, 80%
XYZ	51.4238, 53.8904, 64.7944
YIQ	193.9440, -5.5940, 2.2620

# Conversions

## Conversions Part 2

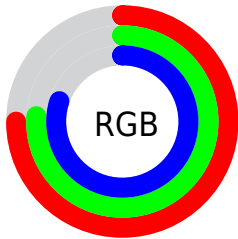
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 193, 204
Decimal	12501708
CIE Lab	78.40, 0.54, -5.47
CIE LCh	78, 5.496, 275.595
Yxy	53.8904, 0.3023, 0.3168
Android (android.graphics.Color)	4290691788 (0xFFBEC2CC)
YUV	193.9440, 4.9576, -3.4589
Hunter-Lab	73.4101, -3.4282, -0.9444

# Details

The Yxy color  $53.8904, 0.3023, 0.3168$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $57.8430, 0.3232, 0.3409$ , and the grayscale version is  $53.8873, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.1840, 0.3073, 0.3241$ , and  $26.2765, 0.2997, 0.3125$  is the 20% darker color. If you saturate the color by 10%, you get  $45.2830, 0.2860, 0.2971$ , and if you desaturate by 10%, it is  $63.5043, 0.3173, 0.3343$ .

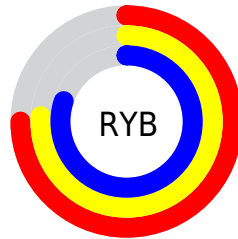
# Distribution



Red (75%)

Green (76%)

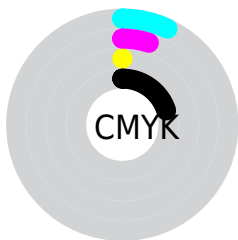
Blue (80%)



Red (75%)

Yellow (76%)

Blue (80%)

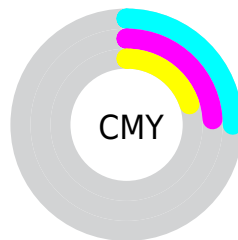


Cyan (7%)

Magenta (5%)

Yellow (0%)

Black (20%)



Cyan (25%)

Magenta (24%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8904, 0.3023, 0.3168 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 53.8904, 0.3023, 0.3168 by changing the saturation by 10% instead.



■ 53.8904, 0.3023,  
0.3168

■ 53.8904, 0.3023,  
0.3168

401.6919, 0.3074,  
0.3227

■ 38.5140, 0.3011,  
0.3154

■ 95.9133, 0.3041,  
0.3189

■ 26.3819, 0.2995,  
0.3135

123.3286, 0.3048,  
0.3197

■ 17.1096, 0.2975,  
0.3112

155.5258, 0.3054,  
0.3204

■ 10.3126, 0.2947,  
0.3079

192.8891, 0.3059,  
0.3210

■ 5.6067, 0.2906,  
0.3032

235.8029, 0.3063,  
0.3215

■ 2.6075, 0.2843,  
0.2959

284.6518, 0.3067,

■ 0.9304, 0.2729,

0.3220

0.2828

339.8200, 0.3071,  
0.3224

0.0000, 0.0000,  
0.0000

53.8904, 0.3023,  
0.3168

53.8904, 0.3023,  
0.3168

45.2830, 0.2860,  
0.2971

63.5043, 0.3173,  
0.3343

37.6420, 0.2687,  
0.2751

74.1497, 0.3310,  
0.3496

30.9344, 0.2505,  
0.2510

85.8590, 0.3435,  
0.3631

25.1228, 0.2321,  
0.2251

95.3769, 0.3435,  
0.3765

20.1671, 0.2140,  
0.1981

97.1379, 0.3430,  
0.3791

■ 16.0237, 0.1972,  
0.1710

■ 12.6452, 0.1824,  
0.1449

■ 9.9780, 0.1705,  
0.1212

■ 7.9574, 0.1621,  
0.1011

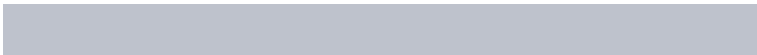
# Harmonies

## Analogous

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



53.8904, 0.2989, 0.3198



53.8904, 0.3023, 0.3168



53.8904, 0.3085, 0.3171

# Triad

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



53.8904, 0.3023, 0.3168



53.8904, 0.3265, 0.3324



53.8904, 0.3094, 0.3379

# Complementary

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



53.8904, 0.3023, 0.3168



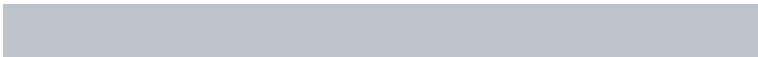
57.8430, 0.3232, 0.3409

# 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.



53.8904, 0.3168, 0.3413



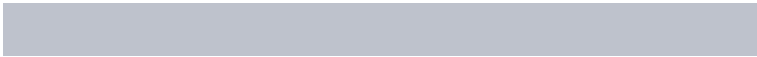
53.8904, 0.3023, 0.3168



53.8904, 0.3267, 0.3381

# Square

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



53.8904, 0.3023, 0.3168



53.8904, 0.3225, 0.3260



53.8904, 0.3232, 0.3414

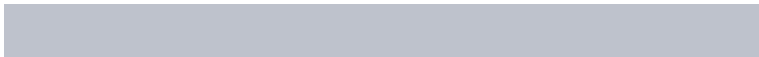


53.8904, 0.3030, 0.3320



# Rectangle

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



53.8904, 0.3023, 0.3168



53.8904, 0.3134, 0.3190



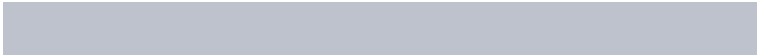
53.8904, 0.3232, 0.3414



53.8904, 0.3119, 0.3394

# Sweetspot

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



53.8927, 0.3023, 0.3168



96.7457, 0.3097, 0.3255



58.2763, 0.3051, 0.3341



20.7417, 0.3098, 0.3257



0.0000, 0.0000, 0.0000

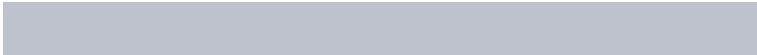


21.4041, 0.3127, 0.3290



# Same Dimension

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



53.8927, 0.3023, 0.3168



87.3961, 0.3003, 0.3144



52.4999, 0.3045, 0.3120



11.3588, 0.2983, 0.3120



4.8159, 0.1605, 0.0979



0.3799, 0.1716, 0.1378

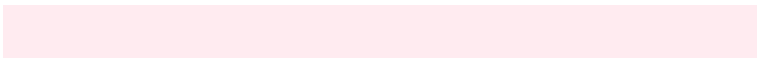


# Inverse Universe

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



53.5584, 0.3211, 0.3242



86.7656, 0.3228, 0.3233



59.3278, 0.3206, 0.3457



11.2656, 0.3246, 0.3224



8.2892, 0.5790, 0.2963

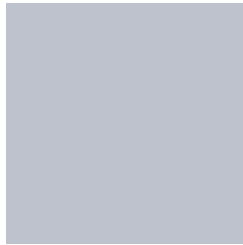


0.4409, 0.5220, 0.2649



# Previews

## White Background



This preview shows how the Yxy color 53.8904, 0.3023, 0.3168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

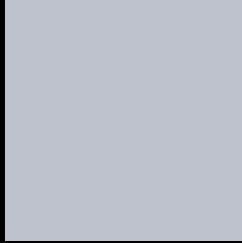
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8904, 0.3023, 0.3168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

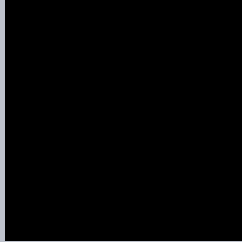
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

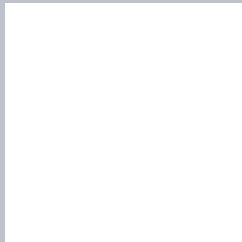
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8904, 0.3023, 0.3168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8904, 0.3023, 0.3168.

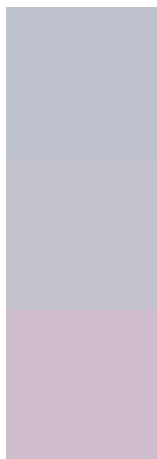


This preview shows how white text looks on a background with the Yxy color 53.8904, 0.3023, 0.3168.

# 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

53.8904, 0.3023, 0.3168

### Protanopia

54.0538, 0.3069, 0.3169

### Deuteranopia

53.6396, 0.3153, 0.3090



## Tritanopia

53.8197, 0.2995, 0.3096

# Trichromacy



## Original Color

53.8904, 0.3023, 0.3168

## Protanomaly

53.7892, 0.3053, 0.3168

## Deuteranomaly

53.6522, 0.3103, 0.3111

## Tritanomaly

53.7213, 0.3009, 0.3120

# Monochromacy



## Original Color

53.8904, 0.3023, 0.3168

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

53.9982, 0.3090, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8904, 0.3023, 0.3168 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(190, 194, 204)` looks like.

```
.text, #text, p{  
    color:rgb(190, 194, 204)  
}
```

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(190, 194, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 194, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8904, 0.3023, 0.3168 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(190, 194, 204) }
```

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

```
.border{ border-color:rgb(190, 194, 204) }
```

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

Here you see how a box with a 4 pixel rgb(190, 194, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 194, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 194, 204);  
box-shadow:4px 4px 4px 4px rgb(190, 194,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8904, 0.3023, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 194, 204) }
```

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

```
.background{ background-color: rgb(190,  
194, 204) }
```

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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