

# Converting Colors

$Y_{xy}(53.8290, 0.2992, 0.3179)$

Have a look what the booklet for  
Yxy(53.8290, 0.2992, 0.3179)  
contains.

<b>Yxy(53.8290, 0.2992, 0.3179)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.8290, 0.2992, 0.3179)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BAC3CC
RGB	186, 195, 204
RGB Percent	73%, 76%, 80%
CMY	0.2706, 0.2353, 0.2001
CMYK	0.09, 0.04, 0.00, 0.20
HSL	210°, 15%, 76%
HSV	210°, 9%, 80%
XYZ	50.6626, 53.8290, 64.8352
YIQ	193.3350, -8.2530, 0.8910

# Conversions

## Conversions Part 2

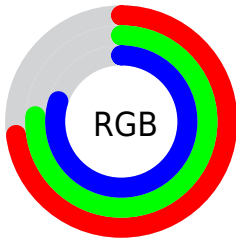
Format	Color
R <sub>Y</sub> B	186, 192, 204
Decimal	12239820
CIE Lab	78.36, -1.33, -5.57
CIE LCh	78, 5.724, 256.563
Yxy	53.8290, 0.2992, 0.3179
Android (android.graphics.Color)	4290429900 (0xFFBAC3CC)
YUV	193.3350, 5.2578, -6.4328
Hunter-Lab	73.3682, -5.1358, -1.0366

# Details

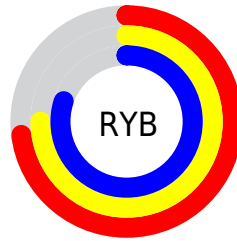
The Yxy color **53.8290, 0.2992, 0.3179** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.4022, 0.3268, 0.3399**, and the grayscale version is **53.5088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7181, 0.3048, 0.3261**, and **26.2383, 0.2956, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **47.0462, 0.2833, 0.3039**, and if you desaturate by 10%, it is **61.2924, 0.3145, 0.3304**.

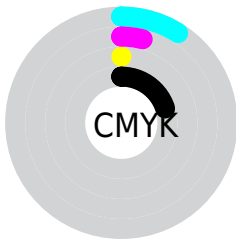
# Distribution



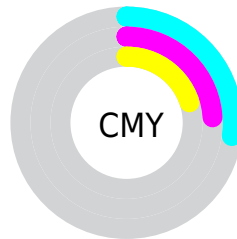
- Red (73%)
- Green (76%)
- Blue (80%)



- Red (73%)
- Yellow (75%)
- Blue (80%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (20%)



- Cyan (27%)
- Magenta (24%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8290, 0.2992, 0.3179 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 53.8290, 0.2992, 0.3179 by changing the saturation by 10% instead.



■ 53.8290, 0.2992,  
0.3179

■ 53.8290, 0.2992,  
0.3179

401.4576, 0.3058,  
0.3233

■ 38.4650, 0.2976,  
0.3166

■ 95.8231, 0.3016,  
0.3198

■ 26.3438, 0.2956,  
0.3149

123.2220, 0.3024,  
0.3206

■ 17.0810, 0.2930,  
0.3127

155.4013, 0.3032,  
0.3212

■ 10.2923, 0.2894,  
0.3097

192.7454, 0.3039,  
0.3218

■ 5.5932, 0.2842,  
0.3053

235.6387, 0.3044,  
0.3222

■ 2.5993, 0.2761,  
0.2985

284.4655, 0.3049,

■ 0.9263, 0.2616,

0.3226

0.2860

339.6104, 0.3054,  
0.3230

0.0000, 0.0000,  
0.0000

53.8290, 0.2992,  
0.3179

53.8290, 0.2992,  
0.3179

47.0462, 0.2833,  
0.3039

61.2924, 0.3145,  
0.3304

40.9156, 0.2671,  
0.2885

69.4501, 0.3290,  
0.3415

35.4167, 0.2508,  
0.2717

78.3238, 0.3427,  
0.3513

30.5252, 0.2349,  
0.2537

85.4641, 0.3465,  
0.3609

26.2148, 0.2198,  
0.2348

91.4891, 0.3446,  
0.3706

■ 22.4569, 0.2062,  
0.2154

■ 97.1388, 0.3430,  
0.3791

■ 19.2196, 0.1944,  
0.1959

■ 16.4663, 0.1849,  
0.1769

■ 14.1424, 0.1777,  
0.1590

# Harmonies

## Analogous

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



53.8290, 0.2980, 0.3228



53.8290, 0.2992, 0.3179



53.8290, 0.3040, 0.3160

# Triad

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



53.8290, 0.2992, 0.3179



53.8290, 0.3249, 0.3283



53.8290, 0.3142, 0.3409

# Complementary

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



53.8290, 0.2992, 0.3179



55.4022, 0.3268, 0.3399

# 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.



53.8290, 0.3214, 0.3423



53.8290, 0.2992, 0.3179



53.8290, 0.3277, 0.3349

# Square

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



53.8290, 0.2992, 0.3179



53.8290, 0.3188, 0.3220



53.8290, 0.3264, 0.3401



53.8290, 0.3066, 0.3362



# Rectangle

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



53.8290, 0.2992, 0.3179



53.8290, 0.3086, 0.3166



53.8290, 0.3264, 0.3401



53.8290, 0.3167, 0.3418

# Sweetspot

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



53.8313, 0.2992, 0.3179



96.1649, 0.3081, 0.3253



57.5437, 0.3056, 0.3404



20.3677, 0.3069, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

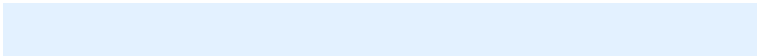


# Same Dimension

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



53.8313, 0.2992, 0.3179



86.4499, 0.2955, 0.3148



50.0443, 0.2992, 0.3070



11.7565, 0.2983, 0.3171



8.9287, 0.1776, 0.1593



0.6124, 0.1875, 0.1948



# Inverse Universe

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



51.8949, 0.3207, 0.3182



82.5213, 0.3231, 0.3152



59.4158, 0.3257, 0.3501



11.3058, 0.3213, 0.3175



8.7043, 0.4939, 0.2495

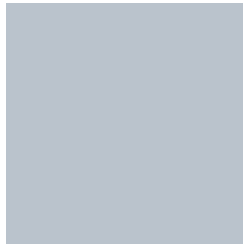


0.4644, 0.4512, 0.2259



# Previews

## White Background



This preview shows how the Yxy color 53.8290, 0.2992, 0.3179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

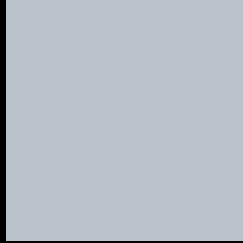
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.8290, 0.2992, 0.3179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

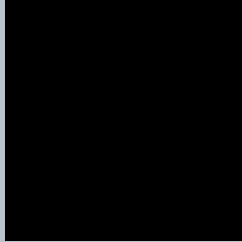
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

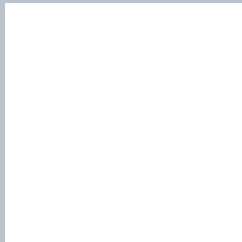
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.8290, 0.2992, 0.3179**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8290, 0.2992, 0.3179.

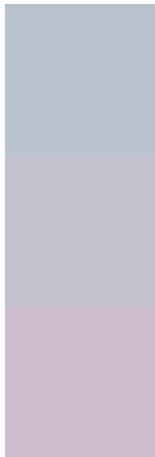


This preview shows how white text looks on a background with the Yxy color 53.8290, 0.2992, 0.3179.

# 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

53.8290, 0.2992, 0.3179

### Protanopia

54.0538, 0.3069, 0.3169

### Deuteranopia

53.6396, 0.3153, 0.3090



## Tritanopia

53.8015, 0.2957, 0.3094

# Trichromacy



## Original Color

53.8290, 0.2992, 0.3179

## Protanomaly

54.1018, 0.3045, 0.3180

## Deuteranomaly

53.8115, 0.3087, 0.3122

## Tritanomaly

53.7024, 0.2971, 0.3118

# Monochromacy



## Original Color

53.8290, 0.2992, 0.3179

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.5619, 0.3073, 0.3253

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8290, 0.2992, 0.3179 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(186, 195, 204)` looks like.

```
.text, #text, p{  
    color:rgb(186, 195, 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(186, 195, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 195, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8290, 0.2992, 0.3179 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(186, 195, 204) }
```

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

```
.border{ border-color:rgb(186, 195, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 195, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(186, 195,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8290, 0.2992, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 195, 204) }
```

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

```
.background{ background-color: rgb(186,  
195, 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](#).

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