

# Converting Colors

Yxy(54.9150, 0.2935, 0.3153)

Have a look what the booklet for  
Yxy(54.9150, 0.2935, 0.3153)  
contains.

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# Color

**Yxy(55.0589, 0.2935, 0.3155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7C6D1
RGB	183, 198, 209
RGB Percent	72%, 78%, 82%
CMY	0.2826, 0.2234, 0.1805
CMYK	0.12, 0.05, 0.00, 0.18
HSL	205°, 22%, 77%
HSV	205°, 12%, 82%
XYZ	51.2196, 55.0589, 68.2346
YIQ	194.7690, -12.4710, 0.2410

# Conversions

## Conversions Part 2

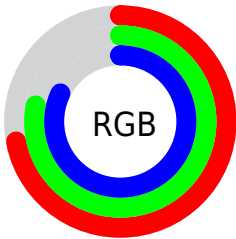
Format	Color
R <sub>Y</sub> B	183, 193, 209
Decimal	12043985
CIE Lab	79.08, -2.92, -7.23
CIE LCh	79, 7.797, 247.974
Yxy	55.0589, 0.2935, 0.3155
Android (android.graphics.Color)	4290234065 (0xFFB7C6D1)
YUV	194.7690, 7.0159, -10.3214
Hunter-Lab	74.2017, -6.6388, -2.5809

# Details

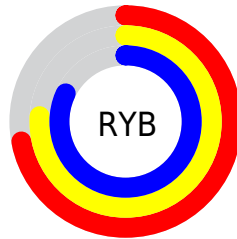
The Yxy color **55.0589, 0.2935, 0.3155** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.5111, 0.3334, 0.3421**, and the grayscale version is **54.3877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **27.0589, 0.2882, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **48.7806, 0.2777, 0.3033**, and if you desaturate by 10%, it is **61.9559, 0.3090, 0.3265**.

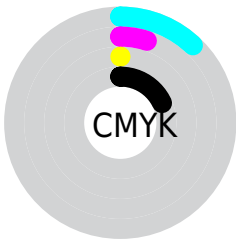
# Distribution



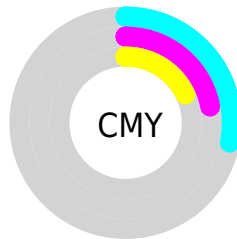
- Red (72%)
- Green (78%)
- Blue (82%)



- Red (72%)
- Yellow (76%)
- Blue (82%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)



- Cyan (28%)
- Magenta (22%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0589, 0.2935, 0.3155 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 55.0589, 0.2935, 0.3155 by changing the saturation by 10% instead.



■ 55.0589, 0.2935,  
0.3155

■ 55.0589, 0.2935,  
0.3155

406.1352, 0.3028,  
0.3221

■ 39.4489, 0.2913,  
0.3139

■ 97.6272, 0.2968,  
0.3179

■ 27.1091, 0.2885,  
0.3119

125.3544, 0.2981,  
0.3188

■ 17.6552, 0.2848,  
0.3092

157.8893, 0.2991,  
0.3195

■ 10.7027, 0.2798,  
0.3056

195.6165, 0.3001,  
0.3202

■ 5.8673, 0.2727,  
0.3003

238.9202, 0.3009,  
0.3208

■ 2.7646, 0.2618,  
0.2920

288.1850, 0.3016,

■ 1.0101, 0.2427,

0.3213

0.2773

343.7952, 0.3022,  
0.3217

0.0000, 0.0000,  
0.0000

55.0589, 0.2935,  
0.3155

55.0589, 0.2935,  
0.3155

48.7806, 0.2777,  
0.3033

61.9559, 0.3090,  
0.3265

43.0934, 0.2620,  
0.2900

69.4841, 0.3240,  
0.3363

37.9777, 0.2465,  
0.2756

77.6644, 0.3383,  
0.3450

33.4098, 0.2318,  
0.2603

84.2595, 0.3436,  
0.3534

29.3640, 0.2184,  
0.2443

89.3714, 0.3421,  
0.3619

■ 25.8120, 0.2065,  
0.2279

■ 94.7352, 0.3407,  
0.3702

■ 22.7218, 0.1966,  
0.2115

■ 97.3824, 0.3400,  
0.3741

■ 20.0555, 0.1890,  
0.1955

■ 18.2782, 0.1844,  
0.1837

# Harmonies

## Analogous

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



55.0589, 0.2934, 0.3230



55.0589, 0.2935, 0.3155



55.0589, 0.2986, 0.3117

# Triad

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



55.0589, 0.2935, 0.3155



55.0589, 0.3272, 0.3255



55.0589, 0.3176, 0.3462

# Complementary

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



55.0589, 0.2935, 0.3155



55.5111, 0.3334, 0.3421

# 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.



55.0589, 0.3268, 0.3466



55.0589, 0.2935, 0.3155



55.0589, 0.3324, 0.3345

# Square

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



55.0589, 0.2935, 0.3155



55.0589, 0.3180, 0.3175



55.0589, 0.3323, 0.3422



55.0589, 0.3073, 0.3410



# Rectangle

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



55.0589, 0.2935, 0.3155



55.0589, 0.3043, 0.3117



55.0589, 0.3323, 0.3422



55.0589, 0.3210, 0.3469

# Sweetspot

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



55.0612, 0.2935, 0.3155



95.4074, 0.3065, 0.3248



59.5373, 0.3038, 0.3477



20.2401, 0.3054, 0.3240



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

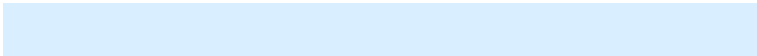


# Same Dimension

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



55.0612, 0.2935, 0.3155



83.6066, 0.2892, 0.3123



49.4110, 0.2931, 0.2993



12.5383, 0.2983, 0.3190



11.4712, 0.1850, 0.1860



0.7966, 0.1930, 0.2148



# Inverse Universe

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



51.4764, 0.3228, 0.3111



76.9829, 0.3253, 0.3071



61.5023, 0.3315, 0.3571



11.9214, 0.3201, 0.3156



9.2293, 0.4615, 0.2316

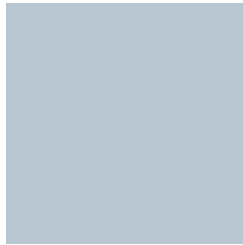


0.5317, 0.4288, 0.2136



# Previews

## White Background



This preview shows how the Yxy color 55.0589, 0.2935, 0.3155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

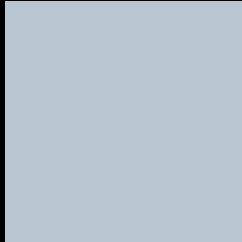
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.0589, 0.2935, 0.3155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

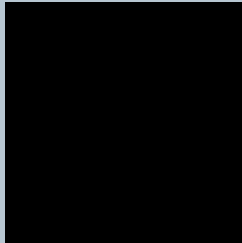
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

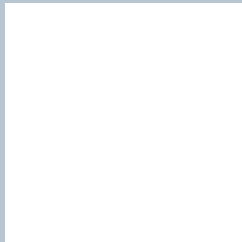
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.0589, 0.2935, 0.3155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0589, 0.2935, 0.3155.



This preview shows how white text looks on a background with the Yxy color 55.0589, 0.2935, 0.3155.

# 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

55.0589, 0.2935, 0.3155

### Protanopia

54.8243, 0.3048, 0.3134

### Deuteranopia

54.9400, 0.3114, 0.3046



## Tritanopia

54.9269, 0.2915, 0.3095

# Trichromacy



## Original Color

55.0589, 0.2935, 0.3155

## Protanomaly

54.6606, 0.3002, 0.3132

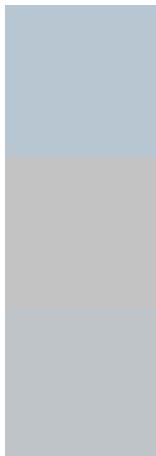
## Deuteranomaly

54.9352, 0.3050, 0.3088

## Tritanomaly

54.8763, 0.2922, 0.3106

# Monochromacy



## Original Color

55.0589, 0.2935, 0.3155

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.7264, 0.3059, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0589, 0.2935, 0.3155 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(183, 198, 209)` looks like.

```
.text, #text, p{  
    color:rgb(183, 198, 209)  
}
```

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(183, 198, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 198, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0589, 0.2935, 0.3155 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(183, 198, 209) }
```

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

```
.border{ border-color:rgb(183, 198, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 198, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 198, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 198, 209); box-shadow:4px 4px 4px 4px rgb(183, 198, 209) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0589, 0.2935, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 198, 209) }
```

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

```
.background{ background-color: rgb(183,  
198, 209) }
```

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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