

# Converting Colors

$Y_{xy}(54.3703, 0.2905, 0.3131)$

Have a look what the booklet for  
Yxy(54.3703, 0.2905, 0.3131)  
contains.

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# Color

**Yxy(54.2889, 0.2906, 0.3129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4C5D2
RGB	180, 197, 210
RGB Percent	71%, 77%, 82%
CMY	0.2941, 0.2274, 0.1765
CMYK	0.14, 0.06, 0.00, 0.18
HSL	206°, 25%, 76%
HSV	206°, 14%, 82%
XYZ	50.4198, 54.2889, 68.7937
YIQ	193.3990, -14.3050, 0.4390

# Conversions

## Conversions Part 2

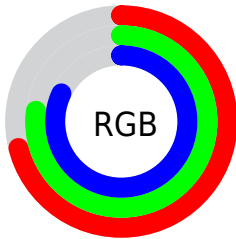
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 191, 210
Decimal	11847122
CIE <sub>Lab</sub>	78.63, -3.13, -8.46
CIE <sub>LCh</sub>	79, 9.023, 249.678
Yxy	54.2889, 0.2906, 0.3129
Android (android.graphics.Color)	4290037202 (0xFFB4C5D2)
YUV	193.3990, 8.1843, -11.7509
Hunter-Lab	73.6810, -6.7945, -3.7806

# Details

The Yxy color **54.2889, 0.2906, 0.3129** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.1307, 0.3368, 0.3446**, and the grayscale version is **53.5330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9365, 0.3011, 0.3280**, and **26.5572, 0.2844, 0.3073** is the 20% darker color. If you saturate the color by 10%, you get **47.9528, 0.2747, 0.3002**, and if you desaturate by 10%, it is **61.2605, 0.3062, 0.3244**.

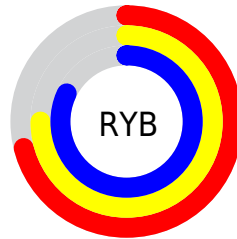
# Distribution



Red (71%)

Green (77%)

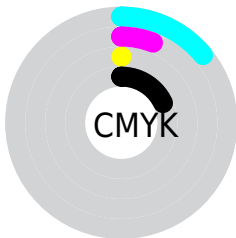
Blue (82%)



Red (71%)

Yellow (75%)

Blue (82%)

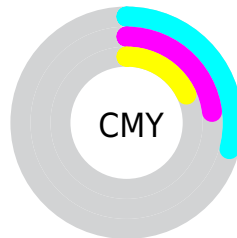


Cyan (14%)

Magenta (6%)

Yellow (0%)

Black (18%)



Cyan (29%)

Magenta (23%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2889, 0.2906, 0.3129 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 54.2889, 0.2906, 0.3129 by changing the saturation by 10% instead.



■ 54.2889, 0.2906,  
0.3129

■ 54.2889, 0.2906,  
0.3129

403.2107, 0.3013,  
0.3208

■ 38.8327, 0.2880,  
0.3110

■ 96.4983, 0.2944,  
0.3157

■ 26.6296, 0.2848,  
0.3085

124.0203, 0.2959,  
0.3168

■ 17.2952, 0.2805,  
0.3053

156.3329, 0.2971,  
0.3177

■ 10.4452, 0.2748,  
0.3010

193.8207, 0.2982,  
0.3185

■ 5.6951, 0.2666,  
0.2947

236.8680, 0.2991,  
0.3192

■ 2.6606, 0.2539,  
0.2847

285.8592, 0.2999,

■ 0.9572, 0.2319,

0.3198

0.2669

341.1786, 0.3007,  
0.3203

0.0000, 0.0000,  
0.0000

54.2889, 0.2906,  
0.3129

54.2889, 0.2906,  
0.3129

47.9528, 0.2747,  
0.3002

61.2605, 0.3062,  
0.3244

42.2239, 0.2589,  
0.2862

68.8811, 0.3213,  
0.3347

37.0817, 0.2434,  
0.2712

77.1721, 0.3357,  
0.3439

32.5014, 0.2288,  
0.2552

84.4064, 0.3429,  
0.3525

28.4562, 0.2154,  
0.2386

89.6996, 0.3414,  
0.3613

■ 24.9165, 0.2037,  
0.2217

■ 95.2621, 0.3399,  
0.3699

■ 21.8484, 0.1941,  
0.2049

■ 97.4332, 0.3394,  
0.3731

■ 19.2119, 0.1867,  
0.1885

■ 17.8629, 0.1832,  
0.1794

# Harmonies

## Analogous

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



54.2889, 0.2902, 0.3214



54.2889, 0.2906, 0.3129



54.2889, 0.2968, 0.3088

# Triad

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



54.2889, 0.2906, 0.3129



54.2889, 0.3300, 0.3254



54.2889, 0.3177, 0.3489

# Complementary

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



54.2889, 0.2906, 0.3129



55.1307, 0.3368, 0.3446

# 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.



54.2889, 0.3286, 0.3496



54.2889, 0.2906, 0.3129



54.2889, 0.3358, 0.3359

# Square

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



54.2889, 0.2906, 0.3129



54.2889, 0.3195, 0.3161



54.2889, 0.3353, 0.3448



54.2889, 0.3057, 0.3425



# Rectangle

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



54.2889, 0.2906, 0.3129



54.2889, 0.3035, 0.3091



54.2889, 0.3353, 0.3448



54.2889, 0.3217, 0.3498

# Sweetspot

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



54.2912, 0.2906, 0.3129



95.3308, 0.3066, 0.3247



59.6237, 0.3025, 0.3507



20.2207, 0.3054, 0.3239



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

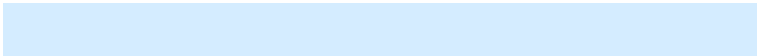


# Same Dimension

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



54.2912, 0.2906, 0.3129



81.2878, 0.2860, 0.3093



48.0139, 0.2900, 0.2945



12.5141, 0.2983, 0.3187



11.0993, 0.1838, 0.1818



0.7768, 0.1921, 0.2114



# Inverse Universe

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



50.3728, 0.3248, 0.3088



74.2416, 0.3277, 0.3046



61.8650, 0.3344, 0.3613



11.9189, 0.3203, 0.3159



9.1917, 0.4665, 0.2343

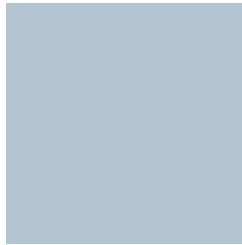


0.5297, 0.4326, 0.2157



# Previews

## White Background



This preview shows how the Yxy color 54.2889, 0.2906, 0.3129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

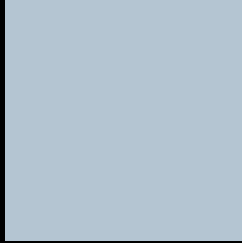
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.2889, 0.2906, 0.3129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

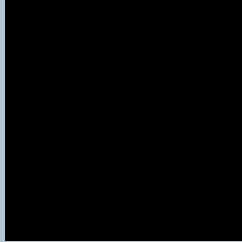
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

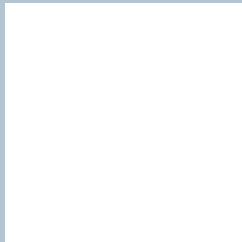
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.2889, 0.2906, 0.3129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2889, 0.2906, 0.3129.



This preview shows how white text looks on a background with the Yxy color 54.2889, 0.2906, 0.3129.

# 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

54.2889, 0.2906, 0.3129

### Protanopia

54.1633, 0.3025, 0.3109

### Deuteranopia

54.1278, 0.3083, 0.3020



## Tritanopia

54.3893, 0.2893, 0.3105

# Trichromacy



## Original Color

54.2889, 0.2906, 0.3129

## Protanomaly

54.0058, 0.2980, 0.3107

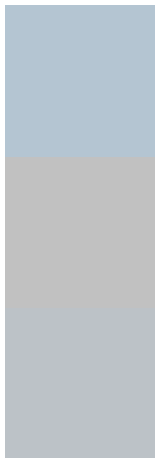
## Deuteranomaly

54.1382, 0.3019, 0.3063

## Tritanomaly

54.3390, 0.2899, 0.3117

# Monochromacy



## Original Color

54.2889, 0.2906, 0.3129

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.3985, 0.3043, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2889, 0.2906, 0.3129 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(180, 197, 210)` looks like.

```
.text, #text, p{  
    color:rgb(180, 197, 210)  
}
```

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(180, 197, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 197, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2889, 0.2906, 0.3129 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(180, 197, 210) }
```

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

```
.border{ border-color:rgb(180, 197, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 197, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 197, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 197, 210);  
box-shadow:4px 4px 4px 4px rgb(180, 197,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2889, 0.2906, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 197, 210) }
```

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

```
.background{ background-color: rgb(180,  
197, 210) }
```

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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