

# Converting Colors

$Y_{xy}(55.0825, 0.3090, 0.3264)$

Have a look what the booklet for  
Yxy(55.0825, 0.3090, 0.3264)  
contains.

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# Color

**Yxy(54.8945, 0.3089, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1C4C6
RGB	193, 196, 198
RGB Percent	76%, 77%, 78%
CMY	0.2430, 0.2314, 0.2234
CMYK	0.03, 0.01, 0.00, 0.22
HSL	205°, 4%, 77%
HSV	205°, 3%, 78%
XYZ	51.9354, 54.8945, 61.3003
YIQ	195.3310, -2.4300, -0.0140

# Conversions

## Conversions Part 2

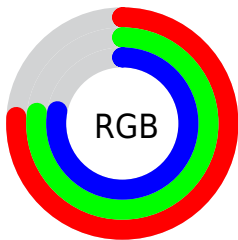
Format	Color
<a href="#">RYB</a>	<a href="#">193, 195, 198</a>
Decimal	<a href="#">12698822</a>
CIELab	<a href="#">78.98, -0.63, -1.39</a>
CIElCh	<a href="#">79, 1.521, 245.572</a>
Yxy	<a href="#">54.8945, 0.3089, 0.3265</a>
Android (android.graphics.Color)	<a href="#">4290888902 (0xFFC1C4C6)</a>
YUV	<a href="#">195.3310, 1.3158, -2.0443</a>
Hunter-Lab	<a href="#">74.0908, -4.5359, 2.8090</a>

# Details

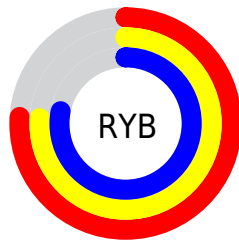
The Yxy color **54.8945, 0.3089, 0.3265** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.9276, 0.3166, 0.3315**, and the grayscale version is **54.7793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6103, 0.3091, 0.3271**, and **26.9351, 0.3086, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **48.9124, 0.2935, 0.3159**, and if you desaturate by 10%, it is **61.4268, 0.3239, 0.3360**.

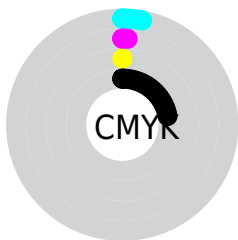
# Distribution



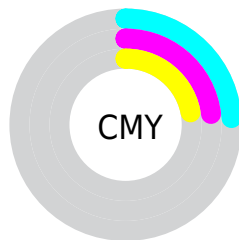
- Red (76%)
- Green (77%)
- Blue (78%)



- Red (76%)
- Yellow (76%)
- Blue (78%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (24%)
- Magenta (23%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8945, 0.3089, 0.3265 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 54.8945, 0.3089, 0.3265 by changing the saturation by 10% instead.



■ 54.8945, 0.3089,  
0.3265

■ 54.8945, 0.3089,  
0.3265

405.5119, 0.3108,  
0.3277

■ 39.3173, 0.3085,  
0.3262

■ 97.3864, 0.3096,  
0.3269

■ 27.0066, 0.3079,  
0.3258

125.0698, 0.3098,  
0.3271

■ 17.5782, 0.3071,  
0.3253

157.5574, 0.3100,  
0.3272

■ 10.6476, 0.3061,  
0.3247

195.2335, 0.3102,  
0.3274

■ 5.8304, 0.3047,  
0.3237

238.4827, 0.3104,  
0.3275

■ 2.7422, 0.3024,  
0.3221

287.6892, 0.3105,

■ 0.9987, 0.2983,

0.3276

0.3194

343.2375, 0.3106,  
0.3277

0.0000, 0.0000,  
0.0000

54.8945, 0.3089,  
0.3265

54.8945, 0.3089,  
0.3265

48.9124, 0.2935,  
0.3159

61.4268, 0.3239,  
0.3360

43.4566, 0.2778,  
0.3041

68.5182, 0.3382,  
0.3445

38.5117, 0.2622,  
0.2913

76.1863, 0.3518,  
0.3519

34.0586, 0.2469,  
0.2774

81.0253, 0.3520,  
0.3598

30.0771, 0.2324,  
0.2626

85.5925, 0.3503,  
0.3676

■ 26.5449, 0.2191,  
0.2471

■ 90.3711, 0.3487,  
0.3753

■ 23.4376, 0.2075,  
0.2313

■ 95.3637, 0.3470,  
0.3828

■ 20.7274, 0.1978,  
0.2155

■ 96.8585, 0.3466,  
0.3850

■ 18.3819, 0.1902,  
0.1999

# Harmonies

## Analogous

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



54.8945, 0.3090, 0.3280



54.8945, 0.3089, 0.3265



54.8945, 0.3099, 0.3256

# Triad

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



54.8945, 0.3089, 0.3265



54.8945, 0.3154, 0.3282



54.8945, 0.3139, 0.3324

# Complementary

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



54.8945, 0.3089, 0.3265



54.9276, 0.3166, 0.3315

# 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.



54.8945, 0.3156, 0.3324



54.8945, 0.3089, 0.3265



54.8945, 0.3165, 0.3300

# Square

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



54.8945, 0.3089, 0.3265



54.8945, 0.3136, 0.3266



54.8945, 0.3166, 0.3315



54.8945, 0.3118, 0.3314



# Rectangle

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



54.8945, 0.3089, 0.3265



54.8945, 0.3109, 0.3256



54.8945, 0.3166, 0.3315



54.8945, 0.3145, 0.3325

# Sweetspot

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



54.8968, 0.3089, 0.3265



98.8564, 0.3112, 0.3280



55.6855, 0.3110, 0.3327



21.1714, 0.3113, 0.3281



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.



54.8968, 0.3089, 0.3265



96.5992, 0.3081, 0.3260



53.8010, 0.3090, 0.3235



12.0702, 0.3070, 0.3253



11.1090, 0.1863, 0.1906



0.6659, 0.1951, 0.2225



# Inverse Universe

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



54.1532, 0.3145, 0.3254



95.0161, 0.3149, 0.3247



56.0348, 0.3164, 0.3344



11.8263, 0.3154, 0.3237



8.6615, 0.4561, 0.2286



0.4242, 0.4206, 0.2090



# Previews

## White Background



This preview shows how the Yxy color 54.8945, 0.3089, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

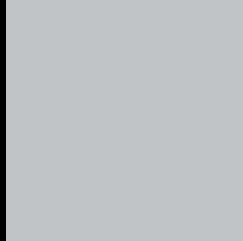
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8945, 0.3089, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

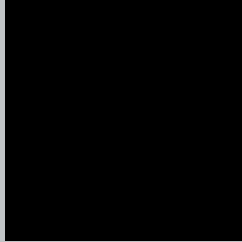
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

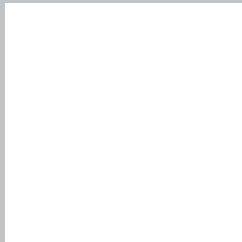
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8945, 0.3089, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8945, 0.3089, 0.3265.

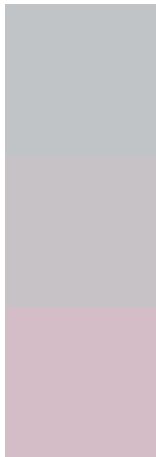


This preview shows how white text looks on a background with the Yxy color 54.8945, 0.3089, 0.3265.

# 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

54.8945, 0.3089, 0.3265

### Protanopia

54.6206, 0.3137, 0.3254

### Deuteranopia

54.5158, 0.3240, 0.3173



## Tritanopia

54.8388, 0.3018, 0.3098

# Trichromacy



## Original Color

54.8945, 0.3089, 0.3265

## Protanomaly

54.7972, 0.3120, 0.3266

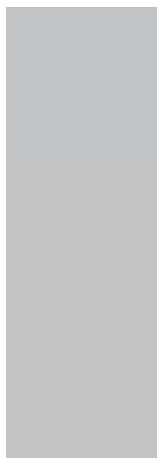
## Deuteranomaly

54.8019, 0.3180, 0.3207

## Tritanomaly

54.9558, 0.3039, 0.3157

# Monochromacy



## Original Color

54.8945, 0.3089, 0.3265

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.4851, 0.3112, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8945, 0.3089, 0.3265 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(193, 196, 198)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 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(193, 196, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8945, 0.3089, 0.3265 is called "border". The border property can be set on classes, ids or directly on the HTML element.

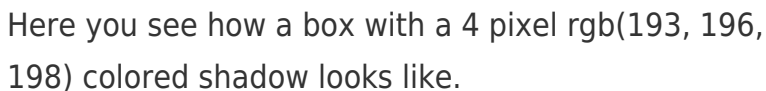
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 196, 198) }
```

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

```
.border{ border-color:rgb(193, 196, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 196, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 196, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 196, 198); box-shadow:4px 4px 4px 4px rgb(193, 196, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8945, 0.3089, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 198) }
```

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

```
.background{ background-color: rgb(193,  
196, 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](#).

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