

# Converting Colors

$Y_{xy}(54.2110, 0.3111, 0.3232)$

Have a look what the booklet for  
Yxy(54.2110, 0.3111, 0.3232)  
contains.

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# Color

**Yxy(54.3966, 0.3113, 0.3241)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4C2C6
RGB	196, 194, 198
RGB Percent	77%, 76%, 78%
CMY	0.2315, 0.2392, 0.2234
CMYK	0.01, 0.02, 0.00, 0.22
HSL	269°, 3%, 77%
HSV	269°, 2%, 78%
XYZ	52.2483, 54.3966, 61.1941
YIQ	195.0540, -0.0920, 1.6680

# Conversions

## Conversions Part 2

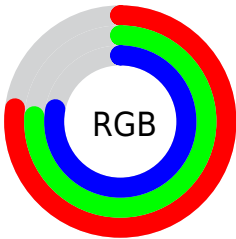
Format	Color
<a href="#">RYB</a>	<a href="#">196, 194, 198</a>
Decimal	<a href="#">12894918</a>
CIELab	<a href="#">78.69, 1.43, -1.79</a>
CIElCh	<a href="#">79, 2.289, 308.709</a>
Yxy	<a href="#">54.3966, 0.3113, 0.3241</a>
Android (android.graphics.Color)	<a href="#">4291084998</a> ( <a href="#">0xFFC4C2C6</a> )
YUV	<a href="#">195.0540, 1.4524, 0.8296</a>
Hunter-Lab	<a href="#">73.7541, -2.6180, 2.4346</a>

# Details

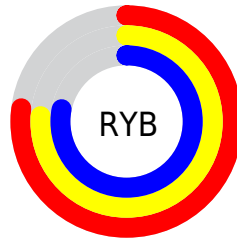
The Yxy color **54.3966, 0.3113, 0.3241** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.0463, 0.3141, 0.3339**, and the grayscale version is **54.5988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4739, 0.3117, 0.3242**, and **26.5206, 0.3109, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **44.8494, 0.3036, 0.2987**, and if you desaturate by 10%, it is **65.2150, 0.3178, 0.3473**.

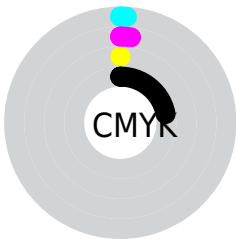
# Distribution



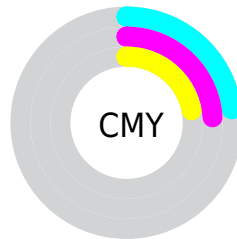
- Red (77%)
- Green (76%)
- Blue (78%)



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



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3966, 0.3113, 0.3241 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 54.3966, 0.3113, 0.3241 by changing the saturation by 10% instead.



■ 54.3966, 0.3113,  
0.3241

■ 54.3966, 0.3113,  
0.3241

403.6206, 0.3120,  
0.3265

■ 38.9188, 0.3111,  
0.3235

■ 96.6563, 0.3116,  
0.3250

■ 26.6966, 0.3109,  
0.3228

124.2071, 0.3116,  
0.3253

■ 17.3455, 0.3106,  
0.3218

156.5509, 0.3117,  
0.3256

■ 10.4811, 0.3102,  
0.3205

194.0722, 0.3118,  
0.3258

■ 5.7191, 0.3097,  
0.3187

237.1555, 0.3119,  
0.3260

■ 2.6750, 0.3088,  
0.3157

286.1850, 0.3119,

■ 0.9645, 0.3071,

0.3262

0.3105


341.5453, 0.3120,  
0.3263


 0.0000, 0.0000,  
0.0000


 54.3966, 0.3113,  
0.3241


 54.3966, 0.3113,  
0.3241

 44.8494, 0.3036,  
0.2987


 65.2150, 0.3178,  
0.3473

 36.5185, 0.2947,  
0.2713

 77.3429, 0.3233,  
0.3682


 29.3553, 0.2844,  
0.2424

 90.8257, 0.3278,  
0.3870

 23.3050, 0.2729,  
0.2127

 93.5206, 0.3343,  
0.3873

 18.3084, 0.2603,  
0.1832

 95.3101, 0.3410,  
0.3860

■ 14.3008, 0.2471,  
0.1553

■ 96.8590, 0.3466,  
0.3850

■ 11.2098, 0.2336,  
0.1306

■ 8.9529, 0.2205,  
0.1104

■ 7.4314, 0.2084,  
0.0957

# Harmonies

## Analogous

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



54.3966, 0.3086, 0.3239



54.3966, 0.3113, 0.3241



54.3966, 0.3144, 0.3256

# Triad

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



54.3966, 0.3113, 0.3241



54.3966, 0.3184, 0.3330



54.3966, 0.3084, 0.3300

# Complementary

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



54.3966, 0.3113, 0.3241



56.0463, 0.3141, 0.3339

# 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.



54.3966, 0.3111, 0.3325



54.3966, 0.3113, 0.3241



54.3966, 0.3168, 0.3342

# Square

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



54.3966, 0.3113, 0.3241



54.3966, 0.3185, 0.3307



54.3966, 0.3141, 0.3340



54.3966, 0.3070, 0.3272



# Rectangle

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



54.3966, 0.3113, 0.3241



54.3966, 0.3162, 0.3272



54.3966, 0.3141, 0.3340



54.3966, 0.3092, 0.3309

# Sweetspot

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



54.3989, 0.3113, 0.3241



98.1371, 0.3120, 0.3266



55.0702, 0.3096, 0.3266



21.0250, 0.3121, 0.3267



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.



54.3989, 0.3113, 0.3241



96.2974, 0.3113, 0.3241



54.6682, 0.3129, 0.3241



12.1651, 0.3114, 0.3245



4.3429, 0.2010, 0.0881



0.2487, 0.2242, 0.1009



# Inverse Universe

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



54.5871, 0.3144, 0.3265



96.6297, 0.3144, 0.3265



55.7804, 0.3125, 0.3339



12.2038, 0.3143, 0.3267



8.4403, 0.4890, 0.2468

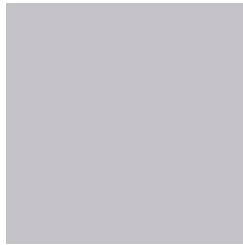


0.4143, 0.4447, 0.2224



# Previews

## White Background



This preview shows how the Yxy color 54.3966, 0.3113, 0.3241 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 54.3966, 0.3113, 0.3241 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

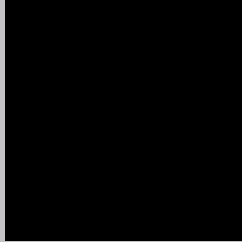
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

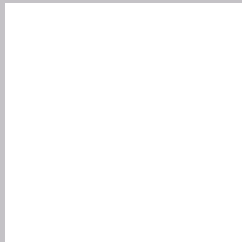
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.3966, 0.3113, 0.3241**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.3966, 0.3113, 0.3241.

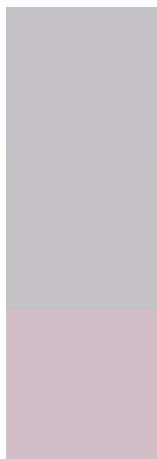


This preview shows how white text looks on a background with the Yxy color 54.3966, 0.3113, 0.3241.

# 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

54.3966, 0.3113, 0.3241

### Protanopia

54.5311, 0.3121, 0.3242

### Deuteranopia

54.3676, 0.3231, 0.3173



## Tritanopia

54.1237, 0.3049, 0.3098

# Trichromacy



## Original Color

54.3966, 0.3113, 0.3241

## Protanomaly

54.5311, 0.3121, 0.3242

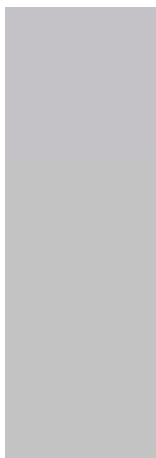
## Deuteranomaly

54.5069, 0.3189, 0.3195

## Tritanomaly

54.3699, 0.3078, 0.3157

# Monochromacy



## Original Color

54.3966, 0.3113, 0.3241

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.6178, 0.3120, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.3966, 0.3113, 0.3241 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(196, 194, 198)` looks like.

```
.text, #text, p{  
    color:rgb(196, 194, 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(196, 194, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 194, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 54.3966, 0.3113, 0.3241 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(196, 194, 198) }
```

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

```
.border{ border-color:rgb(196, 194, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 194, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 194, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 194, 198);  
box-shadow:4px 4px 4px 4px rgb(196, 194,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.3966, 0.3113, 0.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 194, 198) }
```

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

```
.background{ background-color: rgb(196,  
194, 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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