

# Converting Colors

Yxy(53.6768, 0.2842, 0.3238)

Have a look what the booklet for  
Yxy(53.6768, 0.2842, 0.3238)  
contains.

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# Color

**Yxy(53.6675, 0.2840, 0.3238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A5C8CC
RGB	165, 200, 204
RGB Percent	65%, 78%, 80%
CMY	0.3529, 0.2157, 0.2000
CMYK	0.19, 0.02, 0.00, 0.20
HSL	186°, 28%, 72%
HSV	186°, 19%, 80%
XYZ	47.0709, 53.6675, 65.0043
YIQ	189.9910, -22.1440, -6.1760

# Conversions

## Conversions Part 2

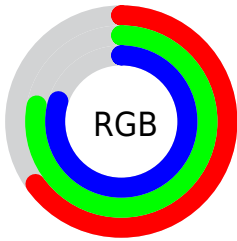
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 183, 204
Decimal	10864844
CIELab	78.27, -10.74, -5.88
CIELCh	78, 12.241, 208.686
Yxy	53.6675, 0.2840, 0.3238
Android (android.graphics.Color)	4289054924 (0xFFA5C8CC)
YUV	189.9910, 6.9064, -21.9171
Hunter-Lab	73.2581, -13.5091, -1.3293

# Details

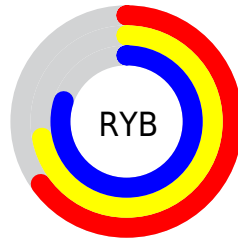
The Yxy color **53.6675, 0.2840, 0.3238** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.9316, 0.3490, 0.3341**, and the grayscale version is **51.4577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **26.2045, 0.2760, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **50.6916, 0.2701, 0.3208**, and if you desaturate by 10%, it is **57.0100, 0.2988, 0.3266**.

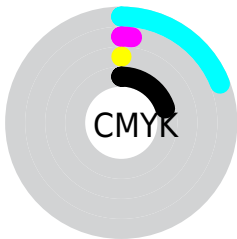
# Distribution



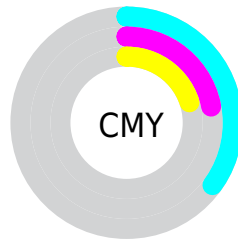
- Red (65%)
- Green (78%)
- Blue (80%)



- Red (65%)
- Yellow (72%)
- Blue (80%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)



- Cyan (35%)
- Magenta (22%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6675, 0.2840, 0.3238 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 53.6675, 0.2840, 0.3238 by changing the saturation by 10% instead.




 53.6675, 0.2840,  
0.3238


 53.6675, 0.2840,  
0.3238

400.8408, 0.2979,  
0.3265

 38.3359, 0.2807,  
0.3231

 95.5859, 0.2890,  
0.3248

 26.2435, 0.2764,  
0.3222


 122.9414, 0.2908,  
0.3252

 17.0059, 0.2710,  
0.3210


155.0738, 0.2925,  
0.3255

 10.2387, 0.2635,  
0.3192

192.3672, 0.2938,  
0.3257

 5.5575, 0.2529,  
0.3166

235.2063, 0.2951,  
0.3260

 2.5779, 0.2365,  
0.3120

283.9753, 0.2961,

 0.9156, 0.2025,

0.3262

0.3050

339.0587, 0.2971,  
0.3263

0.0000, 0.0000,  
0.0000

53.6675, 0.2840,  
0.3238

53.6675, 0.2840,  
0.3238

50.6916, 0.2701,  
0.3208

57.0100, 0.2988,  
0.3266

48.0591, 0.2573,  
0.3175

60.7279, 0.3141,  
0.3292

45.7543, 0.2459,  
0.3142

64.8380, 0.3297,  
0.3316

43.7577, 0.2362,  
0.3107

69.3539, 0.3453,  
0.3337

42.0475, 0.2284,  
0.3071

71.9402, 0.3514,  
0.3357

■ 40.5990, 0.2224,  
0.3036

■ 72.9826, 0.3510,  
0.3378

■ 39.3831, 0.2183,  
0.3000

■ 74.0386, 0.3506,  
0.3400

■ 38.3510, 0.2158,  
0.2966

■ 75.1081, 0.3502,  
0.3421

■ 38.2629, 0.2156,  
0.2962

■ 76.1914, 0.3498,  
0.3442

# Harmonies

## Analogous

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



53.6675, 0.2939, 0.3389



53.6675, 0.2840, 0.3238



53.6675, 0.2816, 0.3106

# Triad

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



53.6675, 0.2840, 0.3238



53.6675, 0.3159, 0.3079



53.6675, 0.3385, 0.3554

# Complementary

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



53.6675, 0.2840, 0.3238



43.9316, 0.3490, 0.3341

# 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.



53.6675, 0.3448, 0.3463



53.6675, 0.2840, 0.3238



53.6675, 0.3316, 0.3191

# Square

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



53.6675, 0.2840, 0.3238



53.6675, 0.2997, 0.3020



53.6675, 0.3423, 0.3330



53.6675, 0.3253, 0.3576



# Rectangle

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



53.6675, 0.2840, 0.3238



53.6675, 0.2845, 0.3047



53.6675, 0.3423, 0.3330



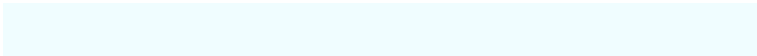
53.6675, 0.3416, 0.3531

# Sweetspot

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



53.6697, 0.2840, 0.3238



96.2161, 0.3034, 0.3274



54.0471, 0.3076, 0.3756



20.5091, 0.3024, 0.3273



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.



53.6697, 0.2840, 0.3238



86.7464, 0.2781, 0.3226



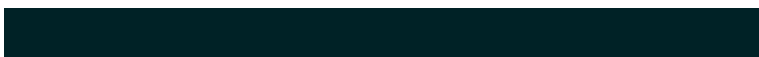
45.2465, 0.2825, 0.2982



12.5228, 0.2983, 0.3266



24.1625, 0.2158, 0.2967



1.3045, 0.2177, 0.3036



# Inverse Universe

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



43.9202, 0.3183, 0.2866



67.7367, 0.3197, 0.2771



51.6931, 0.3446, 0.3580



11.3832, 0.3153, 0.3085



10.2422, 0.3483, 0.1692



0.5342, 0.3423, 0.1659



# Previews

## White Background



This preview shows how the Yxy color 53.6675, 0.2840, 0.3238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

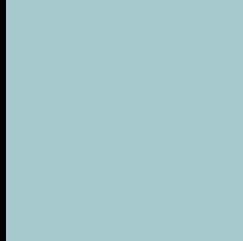
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6675, 0.2840, 0.3238 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 53.6675, 0.2840, 0.3238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6675, 0.2840, 0.3238.



This preview shows how white text looks on a background with the Yxy color 53.6675, 0.2840, 0.3238.

# 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

53.6675, 0.2840, 0.3238

### Protanopia

53.4249, 0.3099, 0.3205

### Deuteranopia

53.5932, 0.3130, 0.3066



## Tritanopia

53.4587, 0.2788, 0.3088

# Trichromacy



## Original Color

53.6675, 0.2840, 0.3238

## Protanomaly

53.4376, 0.2998, 0.3215

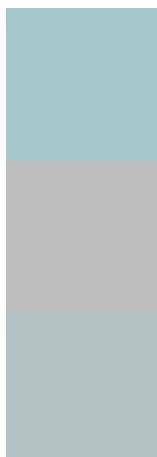
## Deuteranomaly

53.2319, 0.3016, 0.3119

## Tritanomaly

53.6070, 0.2808, 0.3150

# Monochromacy



## Original Color

53.6675, 0.2840, 0.3238

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.3475, 0.3017, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6675, 0.2840, 0.3238 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(165, 200, 204)` looks like.

```
.text, #text, p{  
    color:rgb(165, 200, 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(165, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 200, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6675, 0.2840, 0.3238 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(165, 200, 204) }
```

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

```
.border{ border-color:rgb(165, 200, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 200, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(165, 200,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6675, 0.2840, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 200, 204) }
```

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

```
.background{ background-color: rgb(165,  
200, 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](#).

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