

# Converting Colors

$Yxy(54.6862, 0.2955, 0.3537)$

Have a look what the booklet for  
Yxy(54.6862, 0.2955, 0.3537)  
contains.

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# Color

**Yxy(54.5810, 0.2960, 0.3538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4CCB9
RGB	164, 204, 185
RGB Percent	64%, 80%, 73%
CMY	0.3567, 0.2000, 0.2745
CMYK	0.20, 0.00, 0.09, 0.20
HSL	151°, 28%, 72%
HSV	151°, 20%, 80%
XYZ	45.6641, 54.5810, 54.0256
YIQ	189.8740, -17.7410, -14.3890

# Conversions

## Conversions Part 2

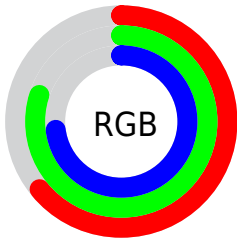
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 190, 204
Decimal	10800313
CIELab	78.80, -17.01, 5.11
CIElCh	79, 17.764, 163.274
Yxy	54.5810, 0.2960, 0.3538
Android (android.graphics.Color)	4288990393 (0xFFA4CCB9)
YUV	189.8740, -2.4029, -22.6915
Hunter-Lab	73.8790, -18.9584, 8.3581

# Details

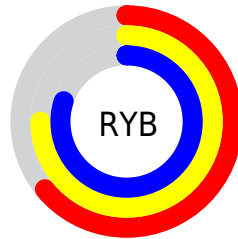
The Yxy color **54.5810, 0.2960, 0.3538** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8199, 0.3334, 0.3055**, and the grayscale version is **51.4422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9309, 0.2987, 0.3433**, and **26.9234, 0.2918, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **52.1878, 0.2881, 0.3685**, and if you desaturate by 10%, it is **57.3548, 0.3044, 0.3405**.

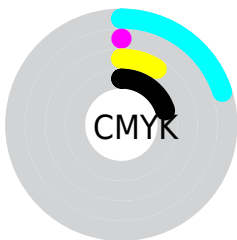
# Distribution



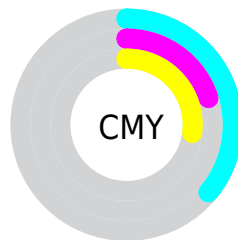
- Red (64%)
- Green (80%)
- Blue (73%)



- Red (64%)
- Yellow (75%)
- Blue (80%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (20%)




- Cyan (36%)
- Magenta (20%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5810, 0.2960, 0.3538 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 54.5810, 0.2960, 0.3538 by changing the saturation by 10% instead.





 54.5810, 0.2960,  
0.3538


 54.5810, 0.2960,  
0.3538


404.3217, 0.3042,  
0.3415

 39.0664, 0.2940,  
0.3568

 96.9268, 0.2990,  
0.3494

 26.8114, 0.2914,  
0.3607


 124.5267, 0.3001,  
0.3477

 17.4316, 0.2880,  
0.3659


156.9239, 0.3010,  
0.3463

 10.5427, 0.2833,  
0.3730

194.5026, 0.3019,  
0.3450

 5.7602, 0.2764,  
0.3835

237.6474, 0.3026,  
0.3440

 2.6998, 0.2654,  
0.4007

286.7426, 0.3032,

 0.9771, 0.2330,

0.3431

0.4460

342.1725, 0.3038,  
0.3422

0.0000, 0.0000,  
0.0000

54.5810, 0.2960,  
0.3538

54.5810, 0.2960,  
0.3538

52.1878, 0.2881,  
0.3685

57.3548, 0.3044,  
0.3405

50.1513, 0.2809,  
0.3845

60.5184, 0.3131,  
0.3285

48.4554, 0.2749,  
0.4017

64.0892, 0.3218,  
0.3179

47.0797, 0.2703,  
0.4197

68.0813, 0.3304,  
0.3086

46.0019, 0.2674,  
0.4383

70.3557, 0.3304,  
0.2995

■ 45.1965, 0.2664,  
0.4570

■ 70.9269, 0.3234,  
0.2902

■ 44.6336, 0.2675,  
0.4753

■ 71.5290, 0.3165,  
0.2811

■ 44.2602, 0.2703,  
0.4927

■ 71.6646, 0.3151,  
0.2791

■ 44.2465, 0.2704,  
0.4934

# Harmonies

## Analogous

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



54.5810, 0.3193, 0.3679



54.5810, 0.2960, 0.3538



54.5810, 0.2776, 0.3325

# Triad

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



54.5810, 0.2960, 0.3538



54.5810, 0.2837, 0.2897



54.5810, 0.3590, 0.3440

# Complementary

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



54.5810, 0.2960, 0.3538



42.8199, 0.3334, 0.3055

# 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.



54.5810, 0.3488, 0.3241



54.5810, 0.2960, 0.3538



54.5810, 0.3047, 0.2936

# Square

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



54.5810, 0.2960, 0.3538



54.5810, 0.2707, 0.2958



54.5810, 0.3287, 0.3060



54.5810, 0.3562, 0.3611



# Rectangle

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



54.5810, 0.2960, 0.3538



54.5810, 0.2704, 0.3179



54.5810, 0.3287, 0.3060



54.5810, 0.3570, 0.3375

# Sweetspot

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



54.5833, 0.2960, 0.3538



96.7531, 0.3074, 0.3361



55.9762, 0.3252, 0.3800



20.6367, 0.3069, 0.3369



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

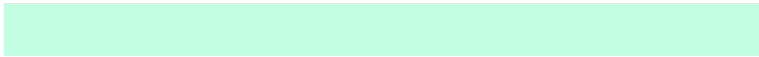


# Same Dimension

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



54.5833, 0.2960, 0.3538



88.4487, 0.2922, 0.3606



55.1241, 0.2836, 0.3281



12.6337, 0.3046, 0.3402



27.8690, 0.2697, 0.4910



1.4530, 0.2602, 0.4565



# Inverse Universe

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



42.8199, 0.3334, 0.3055



65.0766, 0.3396, 0.2995



42.3203, 0.3509, 0.3300



11.3010, 0.3217, 0.3180



8.6416, 0.5046, 0.2553

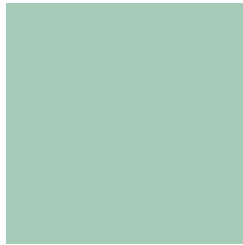


0.4611, 0.4594, 0.2304



# Previews

## White Background



This preview shows how the Yxy color 54.5810, 0.2960, 0.3538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

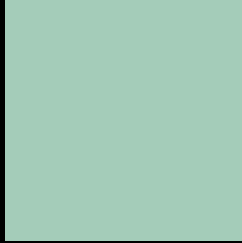
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5810, 0.2960, 0.3538 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

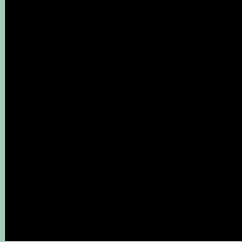
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

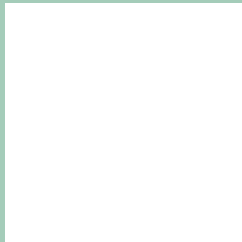
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.5810, 0.2960, 0.3538**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5810, 0.2960, 0.3538.



This preview shows how white text looks on a background with the Yxy color 54.5810, 0.2960, 0.3538.

# 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

54.5810, 0.2960, 0.3538

### Protanopia

54.4354, 0.3299, 0.3461

### Deuteranopia

54.1962, 0.3363, 0.3291



## Tritanopia

54.7609, 0.2804, 0.3102

# Trichromacy



## Original Color

54.5810, 0.2960, 0.3538

## Protanomaly

54.4569, 0.3165, 0.3491

## Deuteranomaly

54.0417, 0.3204, 0.3376

## Tritanomaly

54.4578, 0.2862, 0.3251

# Monochromacy



## Original Color

54.5810, 0.2960, 0.3538

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

52.4848, 0.3068, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5810, 0.2960, 0.3538 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(164, 204, 185)` looks like.

```
.text, #text, p{  
    color:rgb(164, 204, 185)  
}
```

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(164, 204, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 204, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5810, 0.2960, 0.3538 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(164, 204, 185) }
```

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

```
.border{ border-color:rgb(164, 204, 185) }
```

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

Here you see how a box with a 4 pixel rgb(164, 204, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 204, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 204, 185);  
box-shadow:4px 4px 4px 4px rgb(164, 204,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5810, 0.2960, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 204, 185) }
```

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

```
.background{ background-color: rgb(164,  
204, 185) }
```

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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