

# Converting Colors

$Yxy(54.7521, 0.2929, 0.3349)$

Have a look what the booklet for  
Yxy(54.7521, 0.2929, 0.3349)  
contains.

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# Color

**Yxy(54.9302, 0.2930, 0.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABCAC5
RGB	171, 202, 197
RGB Percent	67%, 79%, 77%
CMY	0.3292, 0.2079, 0.2275
CMYK	0.15, 0.00, 0.02, 0.21
HSL	170°, 23%, 73%
HSV	170°, 15%, 79%
XYZ	48.0004, 54.9302, 60.8934
YIQ	192.1610, -16.8710, -8.1270

# Conversions

## Conversions Part 2

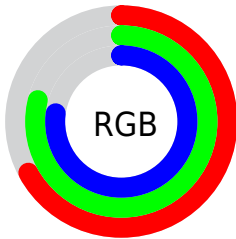
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 188, 202
Decimal	11258565
CIELab	79.00, -11.31, -0.98
CIElCh	79, 11.356, 184.968
Yxy	54.9302, 0.2930, 0.3353
Android (android.graphics.Color)	4289448645 (0xFFABCAC5)
YUV	192.1610, 2.3856, -18.5582
Hunter-Lab	74.1149, -14.0958, 3.1673

# Details

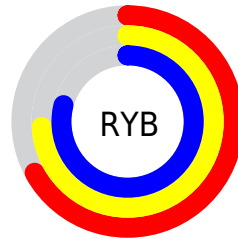
The Yxy color **54.9302, 0.2930, 0.3353** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.8365, 0.3367, 0.3228**, and the grayscale version is **52.8102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0067, 0.2963, 0.3300**, and **27.0145, 0.2877, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **52.6861, 0.2810, 0.3399**, and if you desaturate by 10%, it is **57.5288, 0.3057, 0.3311**.

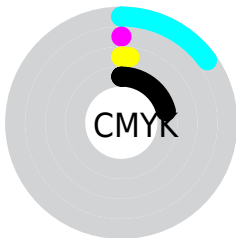
# Distribution



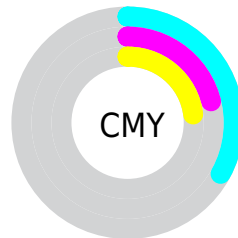
- Red (67%)
- Green (79%)
- Blue (77%)



- Red (67%)
- Yellow (74%)
- Blue (79%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)




- Cyan (33%)
- Magenta (21%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9302, 0.2930, 0.3353 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 54.9302, 0.2930, 0.3353 by changing the saturation by 10% instead.




 54.9302, 0.2930,  
0.3353

 54.9302, 0.2930,  
0.3353


405.6473, 0.3026,  
0.3323

 39.3458, 0.2907,  
0.3360


 97.4387, 0.2964,  
0.3342

 27.0289, 0.2878,  
0.3369


125.1316, 0.2977,  
0.3338

 17.5949, 0.2840,  
0.3381


157.6295, 0.2988,  
0.3335

 10.6595, 0.2788,  
0.3397

195.3167, 0.2998,  
0.3332

 5.8384, 0.2714,  
0.3419

238.5777, 0.3006,  
0.3329

 2.7471, 0.2598,  
0.3454

287.7969, 0.3013,

 1.0012, 0.2364,

0.3327

0.3527

343.3586, 0.3020,  
0.3325

0.0000, 0.0000,  
0.0000

54.9302, 0.2930,  
0.3353

54.9302, 0.2930,  
0.3353

52.6861, 0.2810,  
0.3399

57.5288, 0.3057,  
0.3311

50.7739, 0.2701,  
0.3448

60.4897, 0.3189,  
0.3273

49.1789, 0.2605,  
0.3501

63.8291, 0.3324,  
0.3238

47.8829, 0.2525,  
0.3556

67.5600, 0.3459,  
0.3208

46.8655, 0.2463,  
0.3612

68.3175, 0.3459,  
0.3175

■ 46.1038, 0.2420,  
0.3670

■ 68.4851, 0.3433,  
0.3142

■ 45.5713, 0.2397,  
0.3728

■ 68.6561, 0.3408,  
0.3110

■ 45.2356, 0.2391,  
0.3785

■ 68.8304, 0.3384,  
0.3077

■ 45.1168, 0.2392,  
0.3811

■ 69.0081, 0.3359,  
0.3045

# Harmonies

## Analogous

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



54.9302, 0.3061, 0.3477



54.9302, 0.2930, 0.3353



54.9302, 0.2852, 0.3214

# Triad

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



54.9302, 0.2930, 0.3353



54.9302, 0.3037, 0.3047



54.9302, 0.3417, 0.3472

# Complementary

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



54.9302, 0.2930, 0.3353



44.8365, 0.3367, 0.3228

# 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.



54.9302, 0.3411, 0.3355



54.9302, 0.2930, 0.3353



54.9302, 0.3188, 0.3114

# Square

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



54.9302, 0.2930, 0.3353



54.9302, 0.2912, 0.3042



54.9302, 0.3326, 0.3225



54.9302, 0.3344, 0.3544



# Rectangle

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



54.9302, 0.2930, 0.3353



54.9302, 0.2839, 0.3134



54.9302, 0.3326, 0.3225



54.9302, 0.3424, 0.3436

# Sweetspot

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



54.9325, 0.2930, 0.3353



97.5296, 0.3061, 0.3310



54.4343, 0.3148, 0.3691



20.8038, 0.3051, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

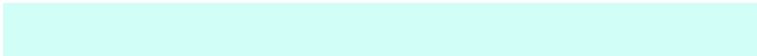


# Same Dimension

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



54.9325, 0.2930, 0.3353



91.8417, 0.2894, 0.3366



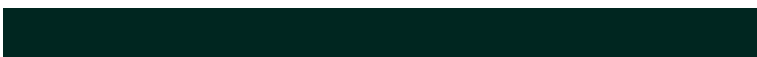
50.4857, 0.2892, 0.3157



12.6947, 0.3005, 0.3328



29.0454, 0.2390, 0.3804



1.5070, 0.2359, 0.3692



# Inverse Universe

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



44.8365, 0.3367, 0.3228



71.8944, 0.3423, 0.3216



48.6938, 0.3392, 0.3419



11.2427, 0.3265, 0.3253



8.1580, 0.6154, 0.3164



0.4304, 0.5658, 0.2891



# Previews

## White Background



This preview shows how the Yxy color 54.9302, 0.2930, 0.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

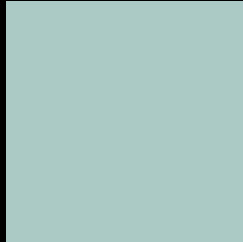
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9302, 0.2930, 0.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

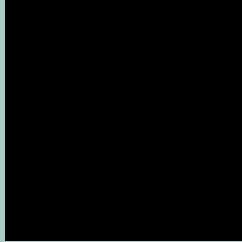
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

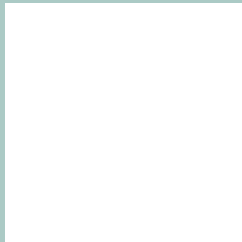
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9302, 0.2930, 0.3353**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9302, 0.2930, 0.3353.



This preview shows how white text looks on a background with the Yxy color 54.9302, 0.2930, 0.3353.

# 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

54.9302, 0.2930, 0.3353

### Protanopia

54.5759, 0.3175, 0.3302

### Deuteranopia

54.5624, 0.3232, 0.3162



## Tritanopia

54.7518, 0.2831, 0.3091

# Trichromacy



## Original Color

54.9302, 0.2930, 0.3353

## Protanomaly

54.6464, 0.3086, 0.3327

## Deuteranomaly

54.5774, 0.3114, 0.3229

## Tritanomaly

54.7469, 0.2870, 0.3189

# Monochromacy



## Original Color

54.9302, 0.2930, 0.3353

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.5652, 0.3047, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9302, 0.2930, 0.3353 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(171, 202, 197)` looks like.

```
.text, #text, p{  
    color:rgb(171, 202, 197)  
}
```

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(171, 202, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 202, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9302, 0.2930, 0.3353 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(171, 202, 197) }
```

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

```
.border{ border-color:rgb(171, 202, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 202, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 202, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 202, 197); box-shadow:4px 4px 4px 4px rgb(171, 202, 197) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9302, 0.2930, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 202, 197) }
```

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

```
.background{ background-color: rgb(171,  
202, 197) }
```

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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