

# Converting Colors

$Yxy(53.6424, 0.2863, 0.3386)$

Have a look what the booklet for  
Yxy(53.6424, 0.2863, 0.3386)  
contains.

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# Color

**Yxy(53.5521, 0.2858, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FCAC3
RGB	159, 202, 195
RGB Percent	62%, 79%, 76%
CMY	0.3764, 0.2078, 0.2354
CMYK	0.21, 0.00, 0.03, 0.21
HSL	170°, 29%, 71%
HSV	170°, 21%, 79%
XYZ	45.2682, 53.5521, 59.5710
YIQ	188.3450, -23.3810, -11.2930

# Conversions

## Conversions Part 2

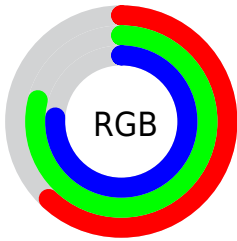
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 182, 202
Decimal	10472131
CIELab	78.20, -15.56, -1.16
CIELCh	78, 15.607, 184.274
Yxy	53.5521, 0.2858, 0.3381
Android (android.graphics.Color)	4288662211 (0xFF9FCAC3)
YUV	188.3450, 3.2809, -25.7356
Hunter-Lab	73.1793, -17.6448, 2.9610

# Details

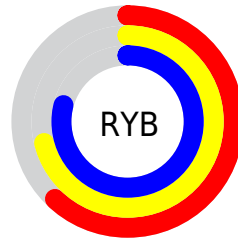
The Yxy color **53.5521, 0.2858, 0.3381** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.1101, 0.3484, 0.3202**, and the grayscale version is **50.4879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8444, 0.2899, 0.3320**, and **26.2287, 0.2794, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **51.5075, 0.2744, 0.3430**, and if you desaturate by 10%, it is **55.9419, 0.2981, 0.3336**.

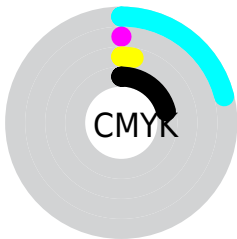
# Distribution



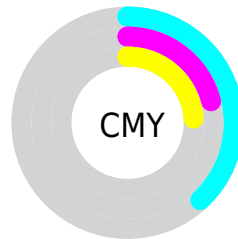
- Red (62%)
- Green (79%)
- Blue (76%)



- Red (62%)
- Yellow (71%)
- Blue (79%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (21%)




- Cyan (38%)
- Magenta (21%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5521, 0.2858, 0.3381 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 53.5521, 0.2858, 0.3381 by changing the saturation by 10% instead.





 53.5521, 0.2858,  
0.3381


 53.5521, 0.2858,  
0.3381


400.3997, 0.2989,  
0.3337

 38.2437, 0.2826,  
0.3391


 95.4163, 0.2905,  
0.3365

 26.1719, 0.2786,  
0.3405


 122.7408, 0.2923,  
0.3360

 16.9523, 0.2734,  
0.3422


154.8396, 0.2938,  
0.3354

 10.2005, 0.2662,  
0.3445

192.0969, 0.2951,  
0.3350

 5.5321, 0.2560,  
0.3478

234.8972, 0.2962,  
0.3346

 2.5627, 0.2399,  
0.3528

283.6248, 0.2972,

 0.9080, 0.1959,

0.3343

0.3684

338.6642, 0.2981,  
0.3340

0.0000, 0.0000,  
0.0000

53.5521, 0.2858,  
0.3381

53.5521, 0.2858,  
0.3381

51.5075, 0.2744,  
0.3430

55.9419, 0.2981,  
0.3336

49.7850, 0.2643,  
0.3482

58.6856, 0.3110,  
0.3295

48.3692, 0.2557,  
0.3536


61.7997, 0.3243,  
0.3258

47.2405, 0.2487,  
0.3593

65.2977, 0.3378,  
0.3225

46.3772, 0.2437,  
0.3651

68.2301, 0.3473,  
0.3194

 45.7545, 0.2405,  
0.3709


 68.3977, 0.3447,  
0.3161

 45.3428, 0.2393,  
0.3767

 68.5687, 0.3422,  
0.3127

 45.1088, 0.2394,  
0.3818

 68.7432, 0.3397,  
0.3094

 68.9211, 0.3372,  
0.3061

# Harmonies

## Analogous

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



53.5521, 0.3040, 0.3555



53.5521, 0.2858, 0.3381



53.5521, 0.2749, 0.3187

# Triad

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



53.5521, 0.2858, 0.3381



53.5521, 0.2996, 0.2956



53.5521, 0.3531, 0.3535

# Complementary

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



53.5521, 0.2858, 0.3381



40.1101, 0.3484, 0.3202

# 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.



53.5521, 0.3520, 0.3372



53.5521, 0.2858, 0.3381



53.5521, 0.3206, 0.3046

# Square

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



53.5521, 0.2858, 0.3381



53.5521, 0.2827, 0.2949



53.5521, 0.3400, 0.3195



53.5521, 0.3430, 0.3640



# Rectangle

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



53.5521, 0.2858, 0.3381



53.5521, 0.2730, 0.3075



53.5521, 0.3400, 0.3195



53.5521, 0.3541, 0.3485

# Sweetspot

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



53.5543, 0.2858, 0.3381



97.0530, 0.3048, 0.3314



52.8724, 0.3155, 0.3866



20.7076, 0.3039, 0.3317



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

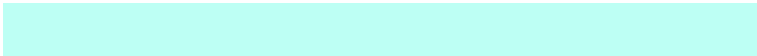


# Same Dimension

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



53.5543, 0.2858, 0.3381



88.8429, 0.2799, 0.3405



47.4626, 0.2800, 0.3100



12.6944, 0.3005, 0.3328



29.0367, 0.2392, 0.3810



1.5066, 0.2360, 0.3697



# Inverse Universe

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



40.1101, 0.3484, 0.3202



61.6741, 0.3595, 0.3179



45.0782, 0.3515, 0.3473



11.2430, 0.3265, 0.3252



8.1594, 0.6150, 0.3161



0.4305, 0.5651, 0.2887



# Previews

## White Background



This preview shows how the Yxy color 53.5521, 0.2858, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

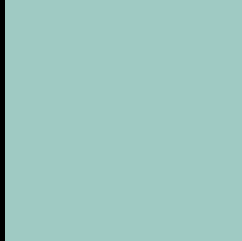
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5521, 0.2858, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

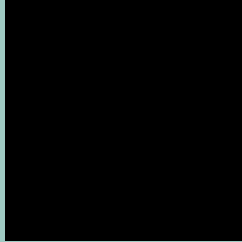
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

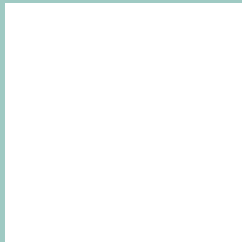
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.5521, 0.2858, 0.3381**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5521, 0.2858, 0.3381.

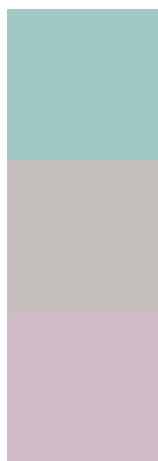


This preview shows how white text looks on a background with the Yxy color 53.5521, 0.2858, 0.3381.

# 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

53.5521, 0.2858, 0.3381

### Protanopia

53.2437, 0.3191, 0.3327

### Deuteranopia

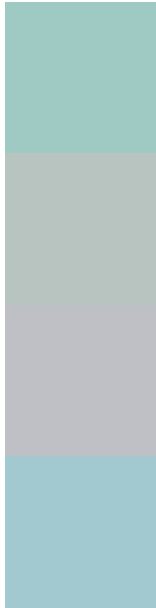
53.1732, 0.3225, 0.3160



## Tritanopia

53.5397, 0.2756, 0.3087

# Trichromacy



## Original Color

53.5521, 0.2858, 0.3381

## Protanomaly

53.3087, 0.3061, 0.3353

## Deuteranomaly

52.8069, 0.3082, 0.3228

## Tritanomaly

53.5440, 0.2794, 0.3187

# Monochromacy



## Original Color

53.5521, 0.2858, 0.3381

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.2486, 0.3015, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5521, 0.2858, 0.3381 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(159, 202, 195)` looks like.

```
.text, #text, p{  
    color:rgb(159, 202, 195)  
}
```

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(159, 202, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 202, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5521, 0.2858, 0.3381 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(159, 202, 195) }
```

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

```
.border{ border-color:rgb(159, 202, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 202, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 202, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 202, 195);  
box-shadow:4px 4px 4px 4px rgb(159, 202,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5521, 0.2858, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 202, 195) }
```

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

```
.background{ background-color: rgb(159,  
202, 195) }
```

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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