

# Converting Colors

$Y_{xy}(55.1239, 0.2862, 0.3350)$

Have a look what the booklet for  
Yxy(55.1239, 0.2862, 0.3350)  
contains.

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# Color

**Yxy(55.0958, 0.2861, 0.3354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3CCC7
RGB	163, 204, 199
RGB Percent	64%, 80%, 78%
CMY	0.3609, 0.1999, 0.2197
CMYK	0.20, 0.00, 0.02, 0.20
HSL	173°, 29%, 72%
HSV	173°, 20%, 80%
XYZ	46.9973, 55.0958, 62.1758
YIQ	191.1710, -22.8310, -10.2470

# Conversions

## Conversions Part 2

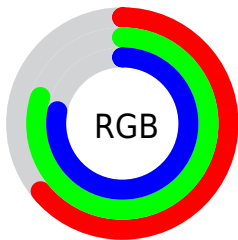
Format	Color
R <sub>YB</sub>	163, 185, 204
Decimal	10734791
CIE Lab	79.10, -14.52, -1.97
CIE LCh	79, 14.651, 187.718
Yxy	55.0958, 0.2861, 0.3354
Android (android.graphics.Color)	4288924871 (0xFFA3CCC7)
YUV	191.1710, 3.8597, -24.7060
Hunter-Lab	74.2265, -16.8772, 2.2944

# Details

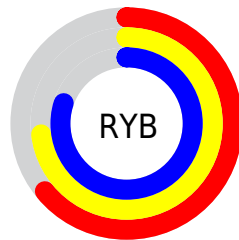
The Yxy color **55.0958, 0.2861, 0.3354** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.8469, 0.3476, 0.3227**, and the grayscale version is **52.1880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **27.1720, 0.2790, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **53.0007, 0.2742, 0.3390**, and if you desaturate by 10%, it is **57.5447, 0.2990, 0.3321**.

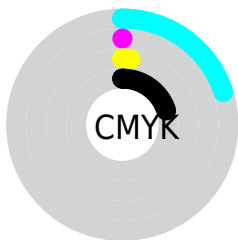
# Distribution



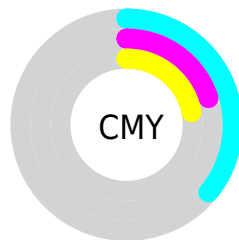
- Red (64%)
- Green (80%)
- Blue (78%)



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



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



- Cyan (36%)
- Magenta (20%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0958, 0.2861, 0.3354 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 55.0958, 0.2861, 0.3354 by changing the saturation by 10% instead.





 55.0958, 0.2861,  
0.3354

 55.0958, 0.2861,  
0.3354

406.2750, 0.2990,  
0.3324

 39.4784, 0.2830,  
0.3361


 97.6813, 0.2907,  
0.3343

 27.1321, 0.2791,  
0.3370


 125.4182, 0.2924,  
0.3339

 17.6725, 0.2740,  
0.3381


157.9638, 0.2939,  
0.3336

 10.7151, 0.2671,  
0.3396

195.7024, 0.2952,  
0.3333

 5.8756, 0.2573,  
0.3417

239.0184, 0.2963,  
0.3330

 2.7696, 0.2421,  
0.3447

288.2962, 0.2973,

 1.0127, 0.2096,

0.3328

0.3522

343.9203, 0.2982,  
0.3326

0.0000, 0.0000,  
0.0000

55.0958, 0.2861,  
0.3354

55.0958, 0.2861,  
0.3354

53.0007, 0.2742,  
0.3390

57.5447, 0.2990,  
0.3321

51.2360, 0.2635,  
0.3428

60.3561, 0.3125,  
0.3290

49.7859, 0.2543,  
0.3469

63.5469, 0.3265,  
0.3263

48.6308, 0.2469,  
0.3510

67.1309, 0.3406,  
0.3238

47.7486, 0.2413,  
0.3553

69.1813, 0.3469,  
0.3215

■ 47.1143, 0.2377,  
0.3596

■ 69.3083, 0.3450,  
0.3189

■ 46.6983, 0.2359,  
0.3638

■ 69.4372, 0.3431,  
0.3164

■ 46.4471, 0.2356,  
0.3680

■ 69.5681, 0.3412,  
0.3139

■ 69.7010, 0.3393,  
0.3113

# Harmonies

## Analogous

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



55.0958, 0.3024, 0.3520



55.0958, 0.2861, 0.3354



55.0958, 0.2769, 0.3175

# Triad

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



55.0958, 0.2861, 0.3354



55.0958, 0.3027, 0.2985



55.0958, 0.3497, 0.3533

# Complementary

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



55.0958, 0.2861, 0.3354



41.8469, 0.3476, 0.3227

# 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.



55.0958, 0.3499, 0.3386



55.0958, 0.2861, 0.3354



55.0958, 0.3223, 0.3076

# Square

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



55.0958, 0.2861, 0.3354



55.0958, 0.2862, 0.2969



55.0958, 0.3398, 0.3220



55.0958, 0.3393, 0.3621



# Rectangle

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



55.0958, 0.2861, 0.3354



55.0958, 0.2759, 0.3075



55.0958, 0.3398, 0.3220



55.0958, 0.3510, 0.3489

# Sweetspot

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



55.0981, 0.2861, 0.3354



97.0925, 0.3044, 0.3308



54.2088, 0.3143, 0.3834



20.7170, 0.3035, 0.3310



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.



55.0981, 0.2861, 0.3354



89.7086, 0.2810, 0.3369



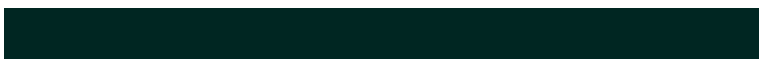
48.5216, 0.2817, 0.3093



12.7024, 0.3000, 0.3318



29.2386, 0.2354, 0.3674



1.5152, 0.2331, 0.3591



# Inverse Universe

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



41.8469, 0.3476, 0.3227



63.9863, 0.3569, 0.3214



47.3288, 0.3487, 0.3479



11.2357, 0.3271, 0.3262



8.1317, 0.6234, 0.3208



0.4271, 0.5815, 0.2977



# Previews

## White Background



This preview shows how the Yxy color 55.0958, 0.2861, 0.3354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

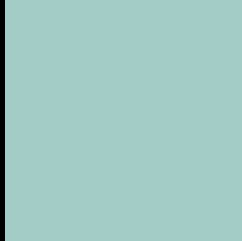
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.0958, 0.2861, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

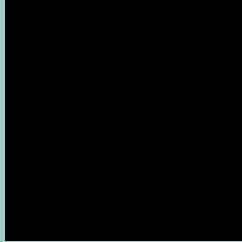
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

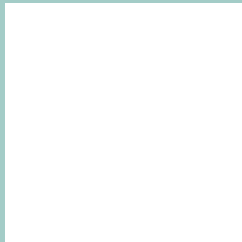
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.0958, 0.2861, 0.3354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0958, 0.2861, 0.3354.

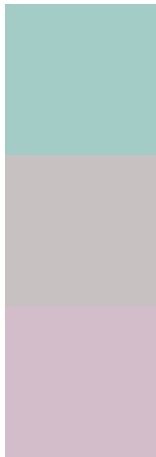


This preview shows how white text looks on a background with the Yxy color 55.0958, 0.2861, 0.3354.

# 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

55.0958, 0.2861, 0.3354

### Protanopia

54.5759, 0.3175, 0.3302

### Deuteranopia

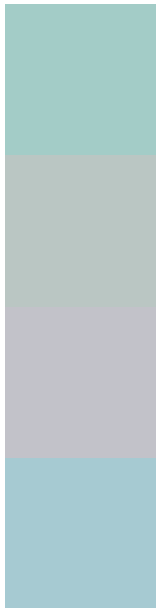
54.5083, 0.3208, 0.3138



## Tritanopia

54.9985, 0.2772, 0.3090

# Trichromacy



## Original Color

55.0958, 0.2861, 0.3354

## Protanomaly

54.7674, 0.3055, 0.3327

## Deuteranomaly

54.2700, 0.3076, 0.3205

## Tritanomaly

55.0012, 0.2810, 0.3188

# Monochromacy



## Original Color

55.0958, 0.2861, 0.3354

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

53.1987, 0.3024, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0958, 0.2861, 0.3354 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(163, 204, 199)` looks like.

```
.text, #text, p{  
    color:rgb(163, 204, 199)  
}
```

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(163, 204, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 204, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0958, 0.2861, 0.3354 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(163, 204, 199) }
```

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

```
.border{ border-color:rgb(163, 204, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 204, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 204, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 204, 199); box-shadow:4px 4px 4px 4px rgb(163, 204, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0958, 0.2861, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 204, 199) }
```

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

```
.background{ background-color: rgb(163,  
204, 199) }
```

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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