

# Converting Colors

$Y_{xy}(55.6255, 0.2846, 0.3513)$

Have a look what the booklet for  
Yxy(55.6255, 0.2846, 0.3513)  
contains.

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# Color

**Yxy(55.6456, 0.2847, 0.3513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D0BF
RGB	153, 208, 191
RGB Percent	60%, 82%, 75%
CMY	0.4000, 0.1843, 0.2510
CMYK	0.26, 0.00, 0.08, 0.18
HSL	161°, 37%, 71%
HSV	161°, 26%, 82%
XYZ	45.0962, 55.6456, 57.6573
YIQ	189.6170, -27.3230, -16.9470

# Conversions

## Conversions Part 2

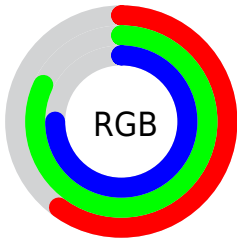
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 186, 208
Decimal	10080447
CIELab	79.41, -21.28, 2.70
CIElCh	79, 21.452, 172.778
Yxy	55.6456, 0.2847, 0.3513
Android (android.graphics.Color)	4288270527 (0xFF99D0BF)
YUV	189.6170, 0.6818, -32.1131
Hunter-Lab	74.5960, -22.6326, 6.3903

# Details

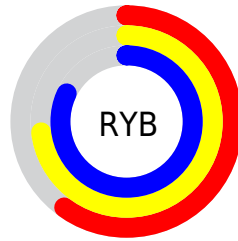
The Yxy color **55.6456, 0.2847, 0.3513** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0935, 0.3517, 0.3079**, and the grayscale version is **51.2693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6453, 0.2891, 0.3372**, and **27.3268, 0.2766, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **53.5205, 0.2754, 0.3612**, and if you desaturate by 10%, it is **58.1405, 0.2948, 0.3422**.

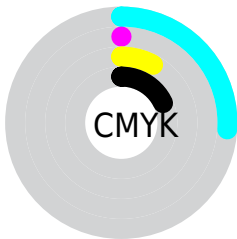
# Distribution



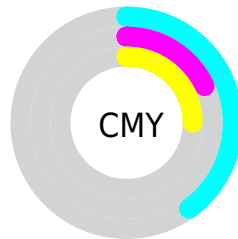
- Red (60%)
- Green (82%)
- Blue (75%)



- Red (60%)
- Yellow (73%)
- Blue (82%)



- Cyan (26%)
- Magenta (0%)
- Yellow (8%)
- Black (18%)




- Cyan (40%)
- Magenta (18%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6456, 0.2847, 0.3513 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 55.6456, 0.2847, 0.3513 by changing the saturation by 10% instead.




 55.6456, 0.2847,  
0.3513


 55.6456, 0.2847,  
0.3513


408.3545, 0.2983,  
0.3404

 39.9188, 0.2814,  
0.3540


 98.4862, 0.2896,  
0.3474

 27.4753, 0.2772,  
0.3574


 126.3689, 0.2914,  
0.3459

 17.9305, 0.2718,  
0.3618


159.0723, 0.2930,  
0.3446

 10.9001, 0.2643,  
0.3680

196.9809, 0.2944,  
0.3435

 5.9997, 0.2536,  
0.3769

240.4790, 0.2956,  
0.3426

 2.8449, 0.2369,  
0.3911

289.9510, 0.2966,

 1.0513, 0.1908,

0.3418

0.4260

345.7814, 0.2975,  
0.3410

0.0000, 0.0000,  
0.0000

55.6456, 0.2847,  
0.3513

55.6456, 0.2847,  
0.3513

53.5205, 0.2754,  
0.3612

58.1405, 0.2948,  
0.3422

51.7398, 0.2674,  
0.3718

61.0155, 0.3056,  
0.3339

50.2857, 0.2608,  
0.3829

64.2889, 0.3167,  
0.3264

49.1360, 0.2560,  
0.3945

67.9758, 0.3279,  
0.3198

48.2657, 0.2531,  
0.4062

71.7096, 0.3375,  
0.3138

■ 47.6453, 0.2522,  
0.4181

■ 72.0632, 0.3328,  
0.3074

■ 47.2377, 0.2532,  
0.4297

■ 72.4302, 0.3282,  
0.3011

■ 47.1196, 0.2538,  
0.4338

■ 72.8105, 0.3236,  
0.2949

■ 73.2045, 0.3191,  
0.2888

# Harmonies

## Analogous

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



55.6456, 0.3114, 0.3720



55.6456, 0.2847, 0.3513



55.6456, 0.2660, 0.3245

# Triad

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



55.6456, 0.2847, 0.3513



55.6456, 0.2851, 0.2825



55.6456, 0.3691, 0.3537

# Complementary

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



55.6456, 0.2847, 0.3513



39.0935, 0.3517, 0.3079

# 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.



55.6456, 0.3616, 0.3304



55.6456, 0.2847, 0.3513



55.6456, 0.3121, 0.2906

# Square

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



55.6456, 0.2847, 0.3513



55.6456, 0.2662, 0.2857



55.6456, 0.3403, 0.3078



55.6456, 0.3606, 0.3720



# Rectangle

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



55.6456, 0.2847, 0.3513



55.6456, 0.2601, 0.3077



55.6456, 0.3403, 0.3078



55.6456, 0.3683, 0.3462

# Sweetspot

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



55.6479, 0.2847, 0.3513



95.9348, 0.3038, 0.3352



56.0063, 0.3223, 0.4013



20.3803, 0.3021, 0.3364



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

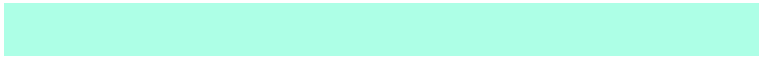


# Same Dimension

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



55.6479, 0.2847, 0.3513



86.1511, 0.2791, 0.3571



51.6777, 0.2731, 0.3157



13.3423, 0.3024, 0.3363



29.3840, 0.2534, 0.4322



1.6568, 0.2475, 0.4108



# Inverse Universe

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



39.0935, 0.3517, 0.3079



55.4064, 0.3637, 0.3029



41.9333, 0.3658, 0.3418



11.8675, 0.3243, 0.3218



8.6058, 0.5713, 0.2921



0.4954, 0.5184, 0.2630



# Previews

## White Background



This preview shows how the Yxy color 55.6456, 0.2847, 0.3513 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

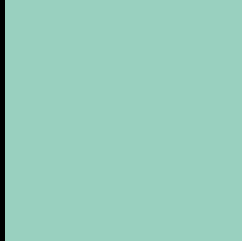
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.6456, 0.2847, 0.3513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

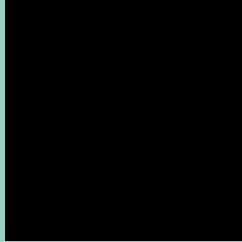
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

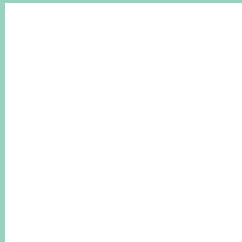
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.6456, 0.2847, 0.3513**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.6456, 0.2847, 0.3513.

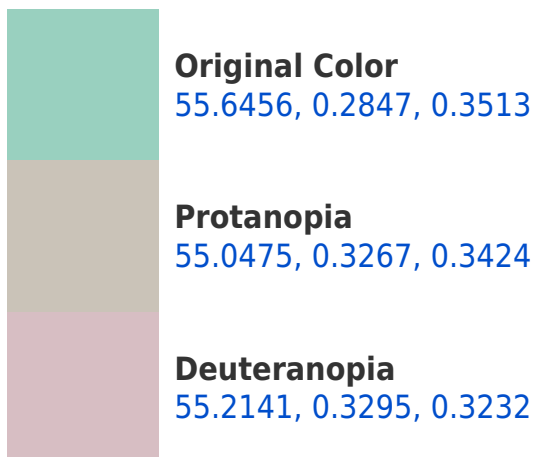


This preview shows how white text looks on a background with the Yxy color 55.6456, 0.2847, 0.3513.

# 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





## Tritanopia

55.7240, 0.2705, 0.3088

# Trichromacy



**Original Color**

55.6456, 0.2847, 0.3513

**Protanomaly**

55.0868, 0.3096, 0.3453

**Deuteranomaly**

55.0340, 0.3110, 0.3327

**Tritanomaly**

55.4342, 0.2759, 0.3238

# Monochromacy



**Original Color**

55.6456, 0.2847, 0.3513

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.9973, 0.3022, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.6456, 0.2847, 0.3513 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(153, 208, 191)` looks like.

```
.text, #text, p{  
    color:rgb(153, 208, 191)  
}
```

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(153, 208, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 208, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 55.6456, 0.2847, 0.3513 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(153, 208, 191) }
```

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

```
.border{ border-color:rgb(153, 208, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 208, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 208, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 208, 191);  
box-shadow:4px 4px 4px 4px rgb(153, 208,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.6456, 0.2847, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 208, 191) }
```

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

```
.background{ background-color: rgb(153,  
208, 191) }
```

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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