

# Converting Colors

$Yxy(55.2177, 0.2833, 0.3842)$

Have a look what the booklet for  
Yxy(55.2177, 0.2833, 0.3842)  
contains.

<b>Yxy(54.9711, 0.2833, 0.3845)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(54.9711, 0.2833, 0.3845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84D4AC
RGB	132, 212, 172
RGB Percent	52%, 83%, 67%
CMY	0.4824, 0.1686, 0.3256
CMYK	0.38, 0.00, 0.19, 0.17
HSL	150°, 48%, 67%
HSV	150°, 38%, 83%
XYZ	40.5028, 54.9711, 47.4939
YIQ	183.5200, -34.8400, -29.4000

# Conversions

## Conversions Part 2

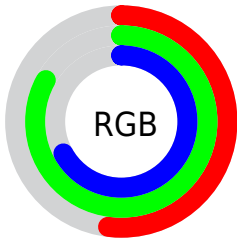
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 185, 212
Decimal	8705196
CIELab	79.02, -33.33, 12.16
CIElCh	79, 35.479, 159.961
Yxy	54.9711, 0.2833, 0.3845
Android (android.graphics.Color)	4286895276 (0xFF84D4AC)
YUV	183.5200, -5.6794, -45.1830
Hunter-Lab	74.1425, -32.2379, 13.9200

# Details

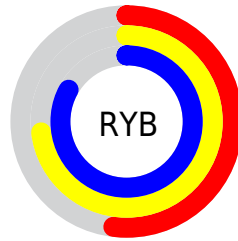
The Yxy color **54.9711, 0.2833, 0.3845** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.4781, 0.3584, 0.2800**, and the grayscale version is **47.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7574, 0.2883, 0.3596**, and **27.0897, 0.2746, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **53.0431, 0.2773, 0.4025**, and if you desaturate by 10%, it is **57.2834, 0.2903, 0.3678**.

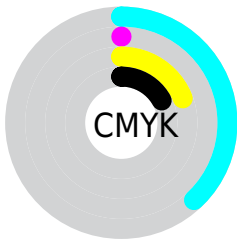
# Distribution



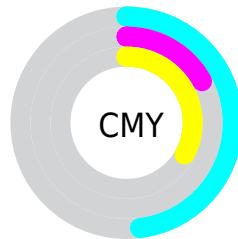
- Red (52%)
- Green (83%)
- Blue (67%)



- Red (52%)
- Yellow (73%)
- Blue (83%)



- Cyan (38%)
- Magenta (0%)
- Yellow (19%)
- Black (17%)




- Cyan (48%)
- Magenta (17%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9711, 0.2833, 0.3845 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 54.9711, 0.2833, 0.3845 by changing the saturation by 10% instead.





 54.9711, 0.2833,  
0.3845


 54.9711, 0.2833,  
0.3845


405.8024, 0.2981,  
0.3565


 39.3786, 0.2796,  
0.3916


 97.4986, 0.2887,  
0.3743

 27.0544, 0.2748,  
0.4007


 125.2024, 0.2907,  
0.3704

 17.6141, 0.2684,  
0.4129


 157.7121, 0.2924,  
0.3672

 10.6733, 0.2595,  
0.4301

195.4120, 0.2939,  
0.3644

 5.8476, 0.2462,  
0.4559

238.6866, 0.2951,  
0.3620

 2.7526, 0.2244,  
0.4989

287.9203, 0.2962,

 1.0040, 0.0987,

0.3600

0.7287

343.4974, 0.2972,  
0.3581

0.0000, 0.0000,  
0.0000

54.9711, 0.2833,  
0.3845

54.9711, 0.2833,  
0.3845

53.0431, 0.2773,  
0.4025

57.2834, 0.2903,  
0.3678

51.4707, 0.2726,  
0.4215

59.9935, 0.2981,  
0.3525

50.2319, 0.2696,  
0.4411


63.1221, 0.3063,  
0.3387

49.2993, 0.2685,  
0.4608


66.6867, 0.3146,  
0.3263


48.6408, 0.2694,  
0.4800

70.7039, 0.3229,  
0.3154

 48.2116, 0.2722,  
0.4983

 74.3844, 0.3281,  
0.3055

 48.1302, 0.2729,  
0.5024

 75.0181, 0.3207,  
0.2953

 75.5707, 0.3147,  
0.2871

# Harmonies

## Analogous

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



54.9711, 0.3291, 0.4112



54.9711, 0.2833, 0.3845



54.9711, 0.2471, 0.3398

# Triad

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



54.9711, 0.2833, 0.3845



54.9711, 0.2523, 0.2539



54.9711, 0.4048, 0.3512

# Complementary

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



54.9711, 0.2833, 0.3845



33.4781, 0.3584, 0.2800

# 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.



54.9711, 0.3814, 0.3139



54.9711, 0.2833, 0.3845



54.9711, 0.2909, 0.2601

# Square

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



54.9711, 0.2833, 0.3845



54.9711, 0.2306, 0.2655



54.9711, 0.3384, 0.2816



54.9711, 0.4010, 0.3864



# Rectangle

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



54.9711, 0.2833, 0.3845



54.9711, 0.2326, 0.3092



54.9711, 0.3384, 0.2816



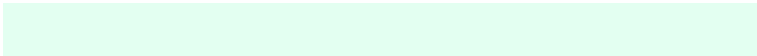
54.9711, 0.3999, 0.3386

# Sweetspot

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



54.9734, 0.2833, 0.3845



94.1917, 0.3035, 0.3432



57.6787, 0.3378, 0.4328



20.0198, 0.3024, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

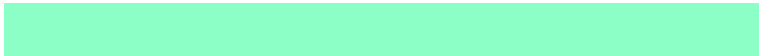


# Same Dimension

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



54.9734, 0.2833, 0.3845



81.1757, 0.2785, 0.3983



56.6824, 0.2612, 0.3306



13.9985, 0.3049, 0.3409



29.7311, 0.2722, 0.4999



1.8100, 0.2634, 0.4682



# Inverse Universe

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



33.4781, 0.3584, 0.2800



44.1507, 0.3719, 0.2700



32.2012, 0.4035, 0.3276



12.5234, 0.3214, 0.3174



9.3045, 0.4946, 0.2498

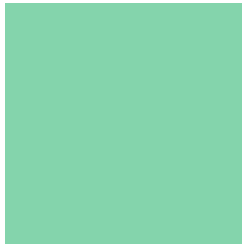


0.5779, 0.4566, 0.2289



# Previews

## White Background



This preview shows how the Yxy color 54.9711, 0.2833, 0.3845 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

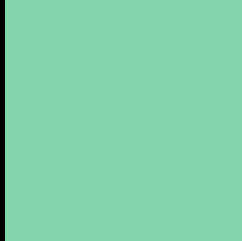
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9711, 0.2833, 0.3845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

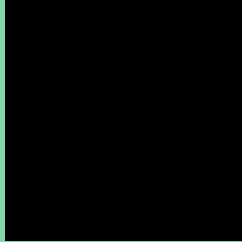
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

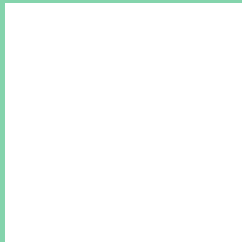
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9711, 0.2833, 0.3845**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9711, 0.2833, 0.3845.

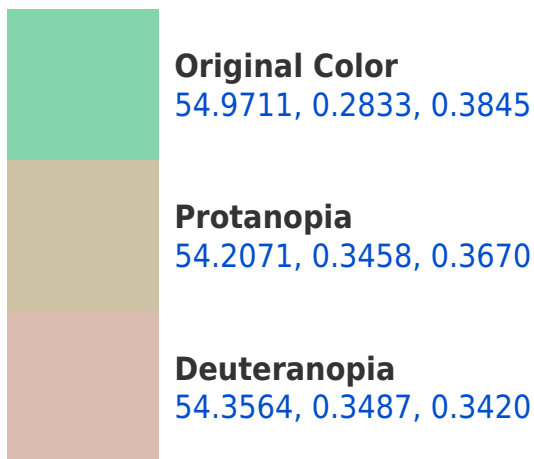


This preview shows how white text looks on a background with the Yxy color 54.9711, 0.2833, 0.3845.

# 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

54.7762, 0.2598, 0.3071

# Trichromacy



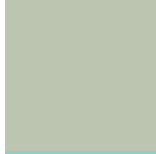
## Original Color

54.9711, 0.2833, 0.3845



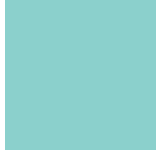
## Protanomaly

53.9914, 0.3199, 0.3745



## Deuteranomaly

53.7190, 0.3218, 0.3569



## Tritanomaly

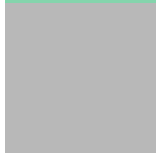
54.9604, 0.2681, 0.3342

# Monochromacy



## Original Color

54.9711, 0.2833, 0.3845



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

49.8782, 0.3001, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9711, 0.2833, 0.3845 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(132, 212, 172)` looks like.

```
.text, #text, p{  
    color:rgb(132, 212, 172)  
}
```

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(132, 212, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 212, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9711, 0.2833, 0.3845 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(132, 212, 172) }
```

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

```
.border{ border-color:rgb(132, 212, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 212, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 212, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 212, 172);  
box-shadow:4px 4px 4px 4px rgb(132, 212,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9711, 0.2833, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 212, 172) }
```

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

```
.background{ background-color: rgb(132,  
212, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor