

# Converting Colors

$Yxy(65.0255, 0.2771, 0.3481)$

Have a look what the booklet for  
Yxy(65.0255, 0.2771, 0.3481)  
contains.

<b>Yxy(64.8833, 0.2768, 0.3476)</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(64.8833, 0.2768, 0.3476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BE0D1
RGB	155, 224, 209
RGB Percent	61%, 88%, 82%
CMY	0.3925, 0.1215, 0.1805
CMYK	0.31, 0.00, 0.07, 0.12
HSL	167°, 53%, 74%
HSV	167°, 31%, 88%
XYZ	51.6677, 64.8833, 70.1098
YIQ	201.6590, -36.3090, -19.2930

# Conversions

## Conversions Part 2

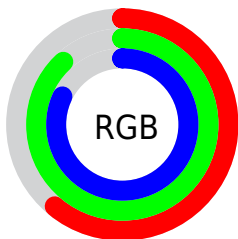
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 194, 224
Decimal	10215633
CIELab	84.42, -24.79, 0.44
CIELCh	84, 24.798, 178.984
Yxy	64.8833, 0.2768, 0.3476
Android (android.graphics.Color)	4288405713 (0xFF9BE0D1)
YUV	201.6590, 3.6191, -40.9199
Hunter-Lab	80.5502, -26.4666, 4.7799

# Details

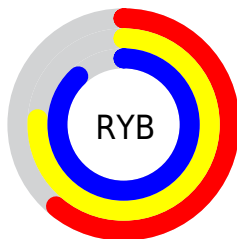
The Yxy color **64.8833, 0.2768, 0.3476** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1663, 0.3671, 0.3114**, and the grayscale version is **58.8233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **33.5092, 0.2678, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **62.6349, 0.2671, 0.3547**, and if you desaturate by 10%, it is **67.5554, 0.2877, 0.3410**.

# Distribution



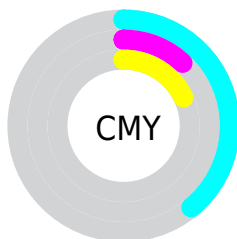
- Red (61%)
- Green (88%)
- Blue (82%)



- Red (61%)
- Yellow (76%)
- Blue (88%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (12%)




- Cyan (39%)
- Magenta (12%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8833, 0.2768, 0.3476 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 64.8833, 0.2768, 0.3476 by changing the saturation by 10% instead.




 64.8833, 0.2768,  
0.3476


 64.8833, 0.2768,  
0.3476


442.3725, 0.2937,  
0.3388

 47.3665, 0.2729,  
0.3496


 111.8821, 0.2827,  
0.3445

 33.3254, 0.2679,  
0.3522


 142.1328, 0.2850,  
0.3433

 22.3759, 0.2617,  
0.3555


177.3969, 0.2870,  
0.3423

 14.1333, 0.2533,  
0.3598

218.0588, 0.2887,  
0.3414

 8.2135, 0.2418,  
0.3659

264.5029, 0.2902,  
0.3407

 4.2318, 0.2248,  
0.3748

317.1137, 0.2915,

 1.8041, 0.1973,

0.3400

0.3893

376.2754, 0.2927,  
0.3394

0.4897, 0.0000,  
0.4936

0.0000, 0.0000,  
0.0000

64.8833, 0.2768,  
0.3476

64.8833, 0.2768,  
0.3476

62.6349, 0.2671,  
0.3547

67.5554, 0.2877,  
0.3410

60.7795, 0.2588,  
0.3621

70.6644, 0.2994,  
0.3350

59.2947, 0.2523,  
0.3699

74.2327, 0.3117,  
0.3294

58.1524, 0.2476,  
0.3779

78.2786, 0.3243,  
0.3245

■ 57.3207, 0.2449,  
0.3860

■ 80.4868, 0.3284,  
0.3198

■ 56.7614, 0.2441,  
0.3940

■ 80.7699, 0.3251,  
0.3150

■ 56.4287, 0.2448,  
0.4013

■ 81.0607, 0.3219,  
0.3103

■ 81.3594, 0.3187,  
0.3056

■ 81.6660, 0.3155,  
0.3010

# Harmonies

## Analogous

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



64.8833, 0.3047, 0.3728



64.8833, 0.2768, 0.3476



64.8833, 0.2589, 0.3178

# Triad

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



64.8833, 0.2768, 0.3476



64.8833, 0.2880, 0.2791



64.8833, 0.3741, 0.3607

# Complementary

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



64.8833, 0.2768, 0.3476



42.1663, 0.3671, 0.3114

# 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.



64.8833, 0.3696, 0.3358



64.8833, 0.2768, 0.3476



64.8833, 0.3185, 0.2902

# Square

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



64.8833, 0.2768, 0.3476



64.8833, 0.2651, 0.2798



64.8833, 0.3488, 0.3105



64.8833, 0.3614, 0.3790



# Rectangle

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



64.8833, 0.2768, 0.3476



64.8833, 0.2545, 0.3004



64.8833, 0.3488, 0.3105



64.8833, 0.3746, 0.3528

# Sweetspot

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



64.8859, 0.2768, 0.3476



95.5866, 0.3015, 0.3339



64.3493, 0.3195, 0.4165



20.3171, 0.2998, 0.3348



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

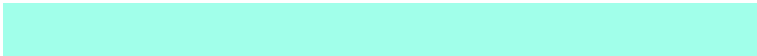


# Same Dimension

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



64.8859, 0.2768, 0.3476



85.0281, 0.2704, 0.3521



56.2906, 0.2659, 0.3059



15.5186, 0.3011, 0.3341



32.8562, 0.2445, 0.4000



2.2902, 0.2410, 0.3877



# Inverse Universe

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



42.1663, 0.3671, 0.3114



49.9713, 0.3834, 0.3076



48.2340, 0.3759, 0.3509



13.7491, 0.3258, 0.3239



9.3661, 0.6019, 0.3089



0.6625, 0.5588, 0.2852



# Previews

## White Background



This preview shows how the Yxy color 64.8833, 0.2768, 0.3476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

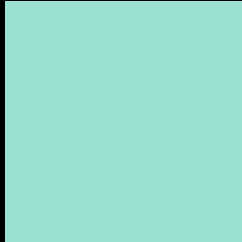
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8833, 0.2768, 0.3476 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

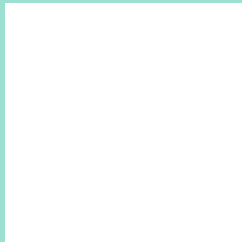
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8833, 0.2768, 0.3476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8833, 0.2768, 0.3476.

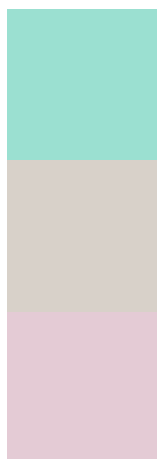


This preview shows how white text looks on a background with the Yxy color 64.8833, 0.2768, 0.3476.

# 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

64.8833, 0.2768, 0.3476

### Protanopia

64.4169, 0.3236, 0.3381

### Deuteranopia

64.0099, 0.3248, 0.3181



## Tritanopia

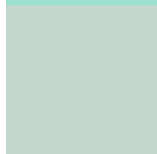
64.8779, 0.2644, 0.3087

# Trichromacy



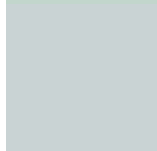
## Original Color

64.8833, 0.2768, 0.3476



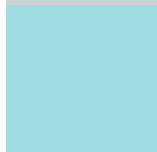
## Protanomaly

63.9221, 0.3049, 0.3408



## Deuteranomaly

63.7595, 0.3047, 0.3278



## Tritanomaly

64.6299, 0.2688, 0.3216

# Monochromacy



## Original Color

64.8833, 0.2768, 0.3476



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

60.8153, 0.2979, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8833, 0.2768, 0.3476 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(155, 224, 209)` looks like.

```
.text, #text, p{  
    color:rgb(155, 224, 209)  
}
```

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(155, 224, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 224, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8833, 0.2768, 0.3476 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(155, 224, 209) }
```

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

```
.border{ border-color:rgb(155, 224, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 224, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 224, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 224, 209);  
box-shadow:4px 4px 4px 4px rgb(155, 224,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8833, 0.2768, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 224, 209) }
```

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

```
.background{ background-color: rgb(155,  
224, 209) }
```

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