

# Converting Colors

Yxy(64.6441, 0.2809, 0.3350)

Have a look what the booklet for  
Yxy(64.6441, 0.2809, 0.3350)  
contains.

<b>Yxy(64.4175, 0.2808, 0.3350)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(64.4175, 0.2808, 0.3350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8DCD7
RGB	168, 220, 215
RGB Percent	66%, 86%, 84%
CMY	0.3415, 0.1372, 0.1569
CMYK	0.24, 0.00, 0.02, 0.14
HSL	174°, 43%, 76%
HSV	174°, 24%, 86%
XYZ	53.9953, 64.4175, 73.8782
YIQ	203.8820, -29.3870, -12.5790

# Conversions

## Conversions Part 2

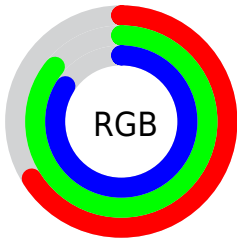
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	168, 195, 220
Decimal	11066583
CIE Lab	84.18, -17.72, -3.02
CIE LCh	84, 17.973, 189.660
Yxy	64.4175, 0.2808, 0.3350
Android (android.graphics.Color)	4289256663 (0xFFA8DCD7)
YUV	203.8820, 5.4812, -31.4685
Hunter-Lab	80.2605, -20.3699, 1.6071

# Details

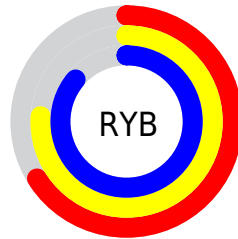
The Yxy color **64.4175, 0.2808, 0.3350** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2117, 0.3570, 0.3232**, and the grayscale version is **60.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **33.0932, 0.2737, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **62.0992, 0.2690, 0.3379**, and if you desaturate by 10%, it is **67.1510, 0.2937, 0.3323**.

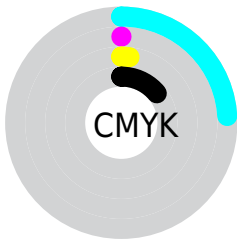
# Distribution



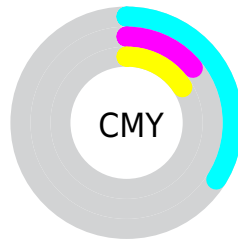
- Red (66%)
- Green (86%)
- Blue (84%)



- Red (66%)
- Yellow (76%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)




- Cyan (34%)
- Magenta (14%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4175, 0.2808, 0.3350 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 64.4175, 0.2808, 0.3350 by changing the saturation by 10% instead.




 64.4175, 0.2808,  
0.3350

 64.4175, 0.2808,  
0.3350


440.6958, 0.2958,  
0.3323

 46.9889, 0.2773,  
0.3356


 111.2120, 0.2861,  
0.3341

 33.0269, 0.2730,  
0.3363


 141.3467, 0.2881,  
0.3337

 22.1470, 0.2674,  
0.3372


176.4855, 0.2898,  
0.3334

 13.9650, 0.2601,  
0.3384


217.0129, 0.2913,  
0.3331

 8.0963, 0.2500,  
0.3399

263.3132, 0.2927,  
0.3329

 4.1566, 0.2351,  
0.3419

315.7709, 0.2938,

 1.7616, 0.2111,

0.3327

374.7702, 0.2949,  
0.3325

0.3446

0.4630, 0.0064,  
0.3905

0.0000, 0.0000,  
0.0000

64.4175, 0.2808,  
0.3350

64.4175, 0.2808,  
0.3350

62.0992, 0.2690,  
0.3379

67.1510, 0.2937,  
0.3323

60.1676, 0.2585,  
0.3409


70.3108, 0.3075,  
0.3299


58.6029, 0.2498,  
0.3441


73.9176, 0.3218,  
0.3276


57.3807, 0.2428,  
0.3474


77.8107, 0.3357,  
0.3256


 56.4731, 0.2378,  
0.3507


 77.9260, 0.3342,  
0.3235


 55.8483, 0.2347,  
0.3540


 78.0429, 0.3327,  
0.3214

 55.4676, 0.2333,  
0.3573

 78.1611, 0.3313,  
0.3193

 55.3125, 0.2332,  
0.3594

 78.2808, 0.3298,  
0.3172

 78.4020, 0.3283,  
0.3151

# Harmonies

## Analogous

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



64.4175, 0.2993, 0.3548



64.4175, 0.2808, 0.3350



64.4175, 0.2709, 0.3142

# Triad

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



64.4175, 0.2808, 0.3350



64.4175, 0.3024, 0.2941



64.4175, 0.3553, 0.3581

# Complementary

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



64.4175, 0.2808, 0.3350



46.2117, 0.3570, 0.3232

# 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.



64.4175, 0.3565, 0.3412



64.4175, 0.2808, 0.3350



64.4175, 0.3253, 0.3051

# Square

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



64.4175, 0.2808, 0.3350



64.4175, 0.2830, 0.2915



64.4175, 0.3453, 0.3220



64.4175, 0.3425, 0.3680



# Rectangle

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



64.4175, 0.2808, 0.3350



64.4175, 0.2701, 0.3029



64.4175, 0.3453, 0.3220



64.4175, 0.3571, 0.3530

# Sweetspot

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



64.4201, 0.2808, 0.3350



96.6601, 0.3028, 0.3307



62.9211, 0.3133, 0.3948



20.6307, 0.3019, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

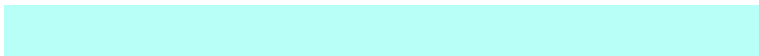


# Same Dimension

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



64.4201, 0.2808, 0.3350



88.4459, 0.2753, 0.3363



54.4160, 0.2758, 0.3031



14.8068, 0.2995, 0.3312



32.4647, 0.2330, 0.3589



2.1096, 0.2315, 0.3535



# Inverse Universe

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



46.2117, 0.3570, 0.3232



59.1137, 0.3684, 0.3220



54.3368, 0.3561, 0.3536



13.0718, 0.3277, 0.3268



8.9695, 0.6284, 0.3236



0.5882, 0.5987, 0.3072



# Previews

## White Background



This preview shows how the Yxy color 64.4175, 0.2808, 0.3350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

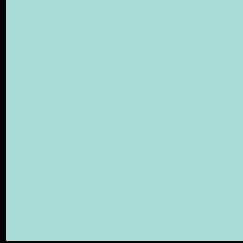
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.4175, 0.2808, 0.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

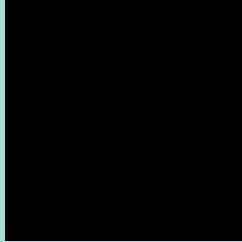
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

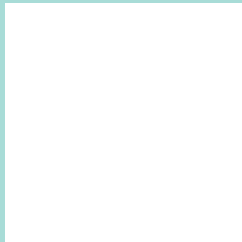
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.4175, 0.2808, 0.3350**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.4175, 0.2808, 0.3350.

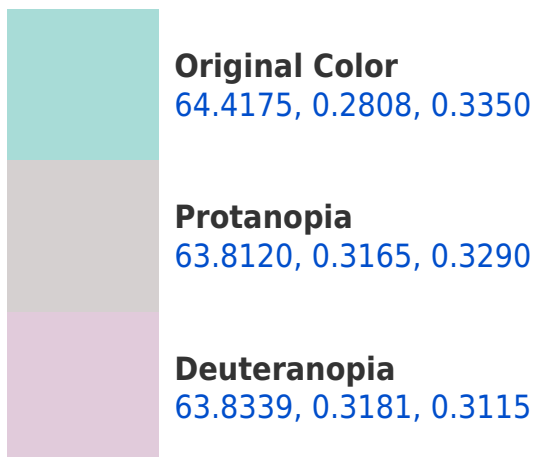


This preview shows how white text looks on a background with the Yxy color 64.4175, 0.2808, 0.3350.

# 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

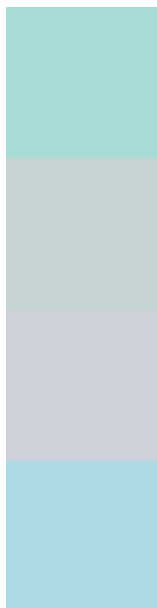




## Tritanopia

64.3369, 0.2721, 0.3089

# Trichromacy



**Original Color**

64.4175, 0.2808, 0.3350

**Protanomaly**

63.6604, 0.3025, 0.3301

**Deuteranomaly**

63.5003, 0.3029, 0.3187

**Tritanomaly**

64.3468, 0.2756, 0.3182

# Monochromacy



**Original Color**

64.4175, 0.2808, 0.3350

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

61.7236, 0.3002, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.4175, 0.2808, 0.3350 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(168, 220, 215)` looks like.

```
.text, #text, p{  
    color:rgb(168, 220, 215)  
}
```

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(168, 220, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 220, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 64.4175, 0.2808, 0.3350 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(168, 220, 215) }
```

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

```
.border{ border-color:rgb(168, 220, 215) }
```

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

Here you see how a box with a 4 pixel rgb(168, 220, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 220, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 220, 215);  
box-shadow:4px 4px 4px 4px rgb(168, 220,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.4175, 0.2808, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 220, 215) }
```

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

```
.background{ background-color: rgb(168,  
220, 215) }
```

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