

# Converting Colors

$Yxy(68.4312, 0.2810, 0.3547)$

Have a look what the booklet for  
Yxy(68.4312, 0.2810, 0.3547)  
contains.

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# Color

**Yxy(68.7248, 0.2815, 0.3558)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1E6D0
RGB	161, 230, 208
RGB Percent	63%, 90%, 82%
CMY	0.3687, 0.0980, 0.1844
CMYK	0.30, 0.00, 0.10, 0.10
HSL	161°, 58%, 77%
HSV	161°, 30%, 90%
XYZ	54.3733, 68.7248, 70.0576
YIQ	206.8610, -34.0620, -21.4700

# Conversions

## Conversions Part 2

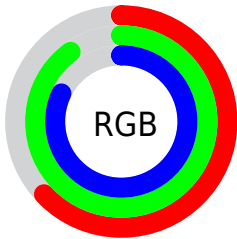
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 202, 230
Decimal	10610384
CIELab	86.37, -26.17, 3.83
CIELCh	86, 26.451, 171.665
Yxy	68.7248, 0.2815, 0.3558
Android (android.graphics.Color)	4288800464 (0xFFA1E6D0)
YUV	206.8610, 0.5615, -40.2201
Hunter-Lab	82.9004, -27.9999, 7.9254

# Details

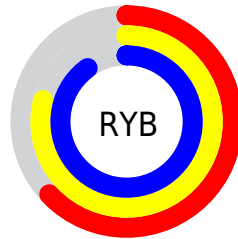
The Yxy color **68.7248, 0.2815, 0.3558** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7253, 0.3585, 0.3039**, and the grayscale version is **62.3127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **35.7310, 0.2736, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **66.2012, 0.2727, 0.3664**, and if you desaturate by 10%, it is **71.7103, 0.2913, 0.3460**.

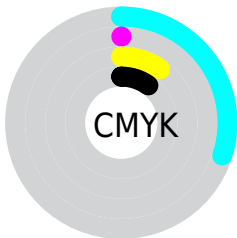
# Distribution



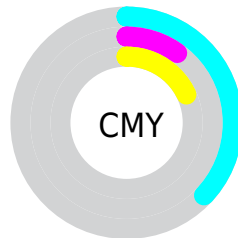
- Red (63%)
- Green (90%)
- Blue (82%)



- Red (63%)
- Yellow (79%)
- Blue (90%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7248, 0.2815, 0.3558 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 68.7248, 0.2815, 0.3558 by changing the saturation by 10% instead.




 68.7248, 0.2815,  
0.3558

 68.7248, 0.2815,  
0.3558


456.0598, 0.2962,  
0.3431

 50.4876, 0.2781,  
0.3588


 117.3884, 0.2866,  
0.3513

 35.8010, 0.2739,  
0.3625


 148.5837, 0.2886,  
0.3496

 24.2805, 0.2684,  
0.3673


184.8670, 0.2903,  
0.3481

 15.5419, 0.2613,  
0.3738

226.6229, 0.2918,  
0.3468

 9.2006, 0.2514,  
0.3828

274.2358, 0.2931,  
0.3457

 4.8722, 0.2368,  
0.3962


328.0899, 0.2942,

 2.1725, 0.2133,

0.3447


0.4186

388.5698, 0.2953,  
0.3439


 0.7049, 0.0252,  
0.5706


 0.0000, 0.0000,  
0.0000


 68.7248, 0.2815,  
0.3558


 68.7248, 0.2815,  
0.3558


 66.2012, 0.2727,  
0.3664


 71.7103, 0.2913,  
0.3460


 64.1066, 0.2652,  
0.3776


 75.1717, 0.3018,  
0.3371


 62.4172, 0.2594,  
0.3895

 79.1329, 0.3127,  
0.3290

 61.1033, 0.2554,  
0.4016


 83.6136, 0.3238,  
0.3218


 60.1309, 0.2533,  
0.4139

 84.4336, 0.3204,  
0.3147

 59.4597, 0.2534,  
0.4262

 84.8902, 0.3157,  
0.3077

 59.0208, 0.2551,  
0.4383

 85.0802, 0.3138,  
0.3049

# Harmonies

## Analogous

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



68.7248, 0.3122, 0.3795



68.7248, 0.2815, 0.3558



68.7248, 0.2598, 0.3247

# Triad

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



68.7248, 0.2815, 0.3558



68.7248, 0.2800, 0.2759



68.7248, 0.3776, 0.3560

# Complementary

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



68.7248, 0.2815, 0.3558



45.7253, 0.3585, 0.3039

# 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.



68.7248, 0.3683, 0.3294



68.7248, 0.2815, 0.3558



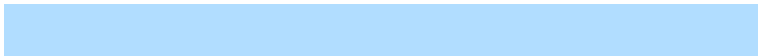
68.7248, 0.3106, 0.2847

# Square

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



68.7248, 0.2815, 0.3558



68.7248, 0.2590, 0.2798



68.7248, 0.3433, 0.3038



68.7248, 0.3684, 0.3776



# Rectangle

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



68.7248, 0.2815, 0.3558



68.7248, 0.2529, 0.3052



68.7248, 0.3433, 0.3038



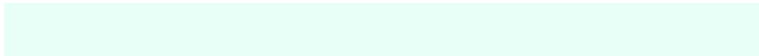
68.7248, 0.3765, 0.3474

# Sweetspot

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



68.7276, 0.2815, 0.3558



95.4413, 0.3028, 0.3363



69.3613, 0.3242, 0.4127



20.2812, 0.3012, 0.3375



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.



68.7276, 0.2815, 0.3558



84.8021, 0.2759, 0.3623



63.6938, 0.2680, 0.3150



16.2540, 0.3024, 0.3366



33.4335, 0.2545, 0.4363



2.4874, 0.2496, 0.4187



# Inverse Universe

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



45.7253, 0.3585, 0.3039



51.3535, 0.3718, 0.2986



49.0858, 0.3761, 0.3424



14.4434, 0.3242, 0.3215



9.8194, 0.5687, 0.2907

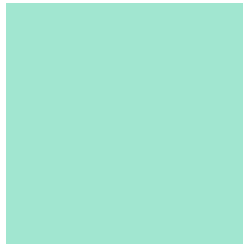


0.7421, 0.5273, 0.2679



# Previews

## White Background



This preview shows how the Yxy color 68.7248, 0.2815, 0.3558 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

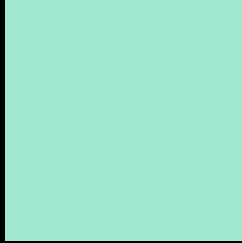
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.7248, 0.2815, 0.3558 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

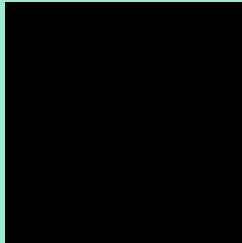
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

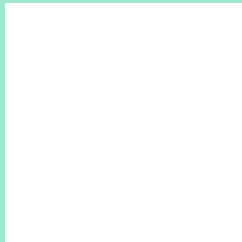
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.7248, 0.2815, 0.3558**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.7248, 0.2815, 0.3558.

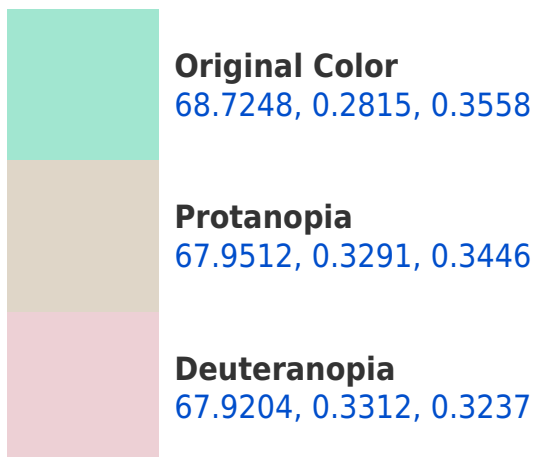


This preview shows how white text looks on a background with the Yxy color 68.7248, 0.2815, 0.3558.

# 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

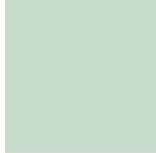
68.7565, 0.2665, 0.3081

# Trichromacy



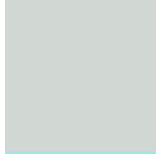
## Original Color

68.7248, 0.2815, 0.3558



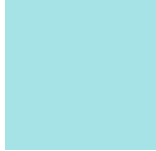
## Protanomaly

67.7776, 0.3097, 0.3487



## Deuteranomaly

67.3702, 0.3110, 0.3347



## Tritanomaly

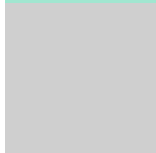
68.7583, 0.2720, 0.3253

# Monochromacy



## Original Color

68.7248, 0.2815, 0.3558



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.0530, 0.3001, 0.3385

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.7248, 0.2815, 0.3558 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(161, 230, 208)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 208)  
}
```

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(161, 230, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 68.7248, 0.2815, 0.3558 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(161, 230, 208) }
```

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

```
.border{ border-color:rgb(161, 230, 208) }
```

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

Here you see how a box with a 4 pixel rgb(161, 230, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 208);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.7248, 0.2815, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 208) }
```

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

```
.background{ background-color: rgb(161,  
230, 208) }
```

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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