

# Converting Colors

$Yxy(68.1016, 0.2852, 0.3489)$

Have a look what the booklet for  
Yxy(68.1016, 0.2852, 0.3489)  
contains.

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# Color

**Yxy(68.1374, 0.2855, 0.3494)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE3D2
RGB	170, 227, 210
RGB Percent	67%, 89%, 82%
CMY	0.3334, 0.1098, 0.1764
CMYK	0.25, 0.00, 0.07, 0.11
HSL	162°, 50%, 78%
HSV	162°, 25%, 89%
XYZ	55.6761, 68.1374, 71.1991
YIQ	208.0190, -28.5150, -17.3710

# Conversions

## Conversions Part 2

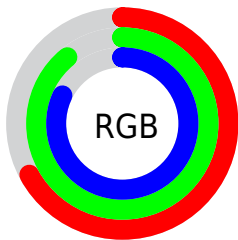
Format	Color
<a href="#">RYB</a>	<a href="#">170, 203, 227</a>
Decimal	<a href="#">11199442</a>
CIELab	<a href="#">86.08, -21.62, 2.40</a>
CIElCh	<a href="#">86, 21.755, 173.673</a>
Yxy	<a href="#">68.1374, 0.2855, 0.3494</a>
Android (android.graphics.Color)	<a href="#">4289389522</a> ( <a href="#">0xFFAAE3D2</a> )
YUV	<a href="#">208.0190, 0.9766, -33.3427</a>
Hunter-Lab	<a href="#">82.5454, -24.0578, 6.6415</a>

# Details

The Yxy color **68.1374, 0.2855, 0.3494** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.6579, 0.3501, 0.3096**, and the grayscale version is **63.0955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **35.2391, 0.2782, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **65.4953, 0.2760, 0.3589**, and if you desaturate by 10%, it is **71.2362, 0.2959, 0.3407**.

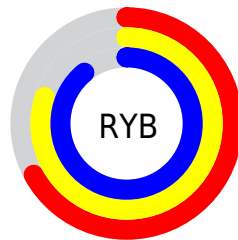
# Distribution



Red (67%)

Green (89%)

Blue (82%)



Red (67%)

Yellow (80%)

Blue (89%)

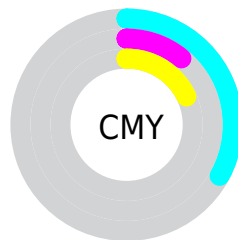


Cyan (25%)

Magenta (0%)

Yellow (7%)

Black (11%)



Cyan (33%)

Magenta (11%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1374, 0.2855, 0.3494 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 68.1374, 0.2855, 0.3494 by changing the saturation by 10% instead.



■ 68.1374, 0.2855,  
0.3494

■ 68.1374, 0.2855,  
0.3494

453.9827, 0.2983,  
0.3398

■ 50.0095, 0.2825,  
0.3517

■ 116.5487, 0.2900,  
0.3460

■ 35.4210, 0.2788,  
0.3545

147.6009, 0.2917,  
0.3447

■ 23.9873, 0.2741,  
0.3581

183.7300, 0.2932,  
0.3436

■ 15.3242, 0.2679,  
0.3629

225.3204, 0.2945,  
0.3426

■ 9.0472, 0.2593,  
0.3696

272.7564, 0.2956,  
0.3418

■ 4.7720, 0.2466,  
0.3797

326.4226, 0.2966,

■ 2.1141, 0.2261,

0.3410

386.7032, 0.2975,  
0.3404

0.3962

0.6726, 0.0826,  
0.4987

0.0000, 0.0000,  
0.0000

68.1374, 0.2855,  
0.3494

68.1374, 0.2855,  
0.3494

65.4953, 0.2760,  
0.3589

71.2362, 0.2959,  
0.3407

63.2788, 0.2676,  
0.3690


74.8042, 0.3069,  
0.3328

61.4662, 0.2607,  
0.3797


78.8639, 0.3183,  
0.3256


60.0301, 0.2556,  
0.3909


82.3219, 0.3257,  
0.3191

 58.9400, 0.2524,  
0.4022


 82.7249, 0.3212,  
0.3125

 58.1603, 0.2513,  
0.4137

 83.1430, 0.3168,  
0.3061

 57.6474, 0.2520,  
0.4249

 83.4233, 0.3140,  
0.3019

 57.4595, 0.2529,  
0.4304

# Harmonies

## Analogous

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



68.1374, 0.3107, 0.3693



68.1374, 0.2855, 0.3494



68.1374, 0.2680, 0.3240

# Triad

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



68.1374, 0.2855, 0.3494



68.1374, 0.2872, 0.2849



68.1374, 0.3661, 0.3532

# Complementary

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



68.1374, 0.2855, 0.3494



48.6579, 0.3501, 0.3096

# 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.



68.1374, 0.3594, 0.3311



68.1374, 0.2855, 0.3494



68.1374, 0.3130, 0.2929

# Square

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



68.1374, 0.2855, 0.3494



68.1374, 0.2690, 0.2876



68.1374, 0.3397, 0.3095



68.1374, 0.3577, 0.3702



# Rectangle

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



68.1374, 0.2855, 0.3494



68.1374, 0.2627, 0.3082



68.1374, 0.3397, 0.3095



68.1374, 0.3655, 0.3461

# Sweetspot

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



68.1402, 0.2855, 0.3494



95.9488, 0.3037, 0.3350



68.4199, 0.3212, 0.3979



20.3838, 0.3020, 0.3362



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

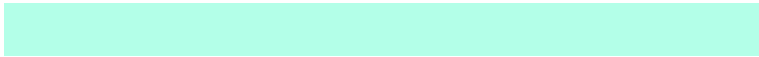


# Same Dimension

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



68.1402, 0.2855, 0.3494



86.8822, 0.2805, 0.3541



62.9976, 0.2747, 0.3152



16.2594, 0.3021, 0.3361



33.5289, 0.2524, 0.4287



2.4938, 0.2479, 0.4123



# Inverse Universe

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



48.6579, 0.3501, 0.3096



57.5310, 0.3602, 0.3055



52.4361, 0.3625, 0.3423



14.4383, 0.3246, 0.3220



9.7830, 0.5764, 0.2949

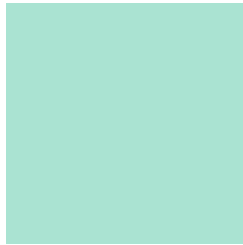


0.7389, 0.5347, 0.2719



# Previews

## White Background



This preview shows how the Yxy color 68.1374, 0.2855, 0.3494 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

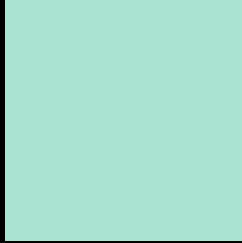
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.1374, 0.2855, 0.3494 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

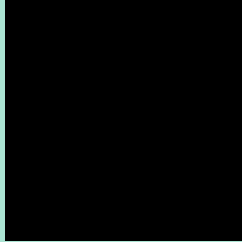
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

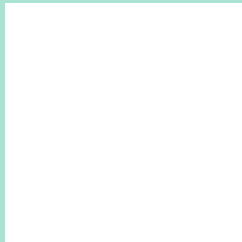
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.1374, 0.2855, 0.3494**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1374, 0.2855, 0.3494.

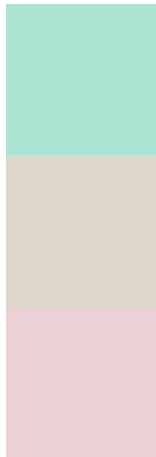


This preview shows how white text looks on a background with the Yxy color 68.1374, 0.2855, 0.3494.

# 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

68.1374, 0.2855, 0.3494

### Protanopia

67.7771, 0.3255, 0.3413

### Deuteranopia

67.6290, 0.3289, 0.3226



## Tritanopia

68.2967, 0.2719, 0.3094

# Trichromacy



## Original Color

68.1374, 0.2855, 0.3494

## Protanomaly

67.6758, 0.3092, 0.3440

## Deuteranomaly

67.2539, 0.3112, 0.3312

## Tritanomaly

67.9671, 0.2769, 0.3230

# Monochromacy



## Original Color

68.1374, 0.2855, 0.3494

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

64.6737, 0.3016, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1374, 0.2855, 0.3494 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(170, 227, 210)` looks like.

```
.text, #text, p{  
    color:rgb(170, 227, 210)  
}
```

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(170, 227, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 227, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1374, 0.2855, 0.3494 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(170, 227, 210) }
```

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

```
.border{ border-color:rgb(170, 227, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 227, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 227, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 227, 210);  
box-shadow:4px 4px 4px 4px rgb(170, 227,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1374, 0.2855, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 227, 210) }
```

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

```
.background{ background-color: rgb(170,  
227, 210) }
```

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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