

# Converting Colors

$Yxy(68.5693, 0.2851, 0.3439)$

Have a look what the booklet for  
Yxy(68.5693, 0.2851, 0.3439)  
contains.

<b>Yxy(68.6774, 0.2851, 0.3444)</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(68.6774, 0.2851, 0.3444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE3D6
RGB	173, 227, 214
RGB Percent	68%, 89%, 84%
CMY	0.3213, 0.1098, 0.1608
CMYK	0.24, 0.00, 0.06, 0.11
HSL	166°, 49%, 78%
HSV	166°, 24%, 89%
XYZ	56.8523, 68.6774, 73.8820
YIQ	209.3720, -28.0110, -15.4910

# Conversions

## Conversions Part 2

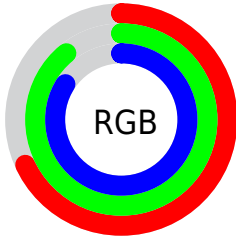
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 204, 227
Decimal	11396054
CIELab	86.34, -19.86, 0.71
CIELCh	86, 19.868, 177.959
Yxy	68.6774, 0.2851, 0.3444
Android (android.graphics.Color)	4289586134 (0xFFADE3D6)
YUV	209.3720, 2.2816, -31.8982
Hunter-Lab	82.8718, -22.5699, 5.1519

# Details

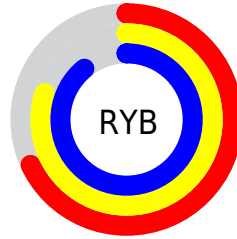
The Yxy color **68.6774, 0.2851, 0.3444** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7913, 0.3502, 0.3142**, and the grayscale version is **64.0249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **35.5510, 0.2783, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **66.0326, 0.2748, 0.3519**, and if you desaturate by 10%, it is **71.7768, 0.2963, 0.3375**.

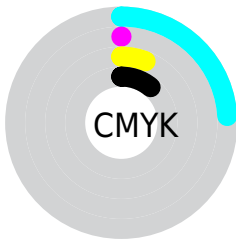
# Distribution



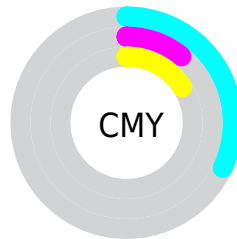
- Red (68%)
- Green (89%)
- Blue (84%)



- Red (68%)
- Yellow (80%)
- Blue (89%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (32%)
- Magenta (11%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6774, 0.2851, 0.3444 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 68.6774, 0.2851, 0.3444 by changing the saturation by 10% instead.




 68.6774, 0.2851,  
0.3444

 68.6774, 0.2851,  
0.3444

455.8924, 0.2980,  
0.3372

 50.4490, 0.2821,  
0.3461


 117.3207, 0.2896,  
0.3419

 35.7703, 0.2784,  
0.3481


148.5044, 0.2913,  
0.3409

 24.2569, 0.2737,  
0.3508


184.7753, 0.2928,  
0.3401

 15.5243, 0.2675,  
0.3543

226.5179, 0.2942,  
0.3393

 9.1881, 0.2589,  
0.3591

274.1165, 0.2953,  
0.3387

 4.8641, 0.2464,  
0.3663

327.9555, 0.2963,

 2.1678, 0.2264,

0.3381

388.4193, 0.2972,  
0.3376

0.3777

0.7023, 0.1142,  
0.4388

0.0000, 0.0000,  
0.0000

68.6774, 0.2851,  
0.3444

68.6774, 0.2851,  
0.3444

66.0326, 0.2748,  
0.3519

71.7768, 0.2963,  
0.3375

63.8118, 0.2657,  
0.3599


75.3432, 0.3082,  
0.3312

61.9934, 0.2581,  
0.3684

79.3987, 0.3204,  
0.3255

60.5509, 0.2522,  
0.3771


82.2408, 0.3265,  
0.3203

 59.4541, 0.2483,  
0.3861


 82.5632, 0.3228,  
0.3149

 58.6685, 0.2464,  
0.3951

 82.8953, 0.3193,  
0.3097

 58.1519, 0.2464,  
0.4041

 83.2374, 0.3157,  
0.3045

 57.9239, 0.2471,  
0.4096

 83.4124, 0.3140,  
0.3019

# Harmonies

## Analogous

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



68.6774, 0.3074, 0.3635



68.6774, 0.2851, 0.3444



68.6774, 0.2704, 0.3213

# Triad

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



68.6774, 0.2851, 0.3444



68.6774, 0.2926, 0.2891



68.6774, 0.3610, 0.3538

# Complementary

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



68.6774, 0.2851, 0.3444



49.7913, 0.3502, 0.3142

# 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.



68.6774, 0.3569, 0.3340



68.6774, 0.2851, 0.3444



68.6774, 0.3166, 0.2977

# Square

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



68.6774, 0.2851, 0.3444



68.6774, 0.2746, 0.2903



68.6774, 0.3404, 0.3138



68.6774, 0.3516, 0.3682



# Rectangle

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



68.6774, 0.2851, 0.3444



68.6774, 0.2666, 0.3075



68.6774, 0.3404, 0.3138



68.6774, 0.3612, 0.3476

# Sweetspot

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



68.6802, 0.2851, 0.3444



96.4966, 0.3042, 0.3332



68.4605, 0.3189, 0.3941



20.5927, 0.3035, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

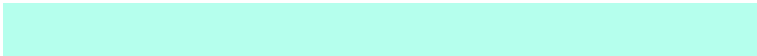


# Same Dimension

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



68.6802, 0.2851, 0.3444



87.4756, 0.2794, 0.3484



62.2834, 0.2764, 0.3128



16.2739, 0.3013, 0.3347



33.8042, 0.2467, 0.4083



2.5123, 0.2431, 0.3952



# Inverse Universe

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



49.7913, 0.3502, 0.3142



58.4449, 0.3618, 0.3106



54.6996, 0.3585, 0.3446



14.4246, 0.3255, 0.3234



9.6985, 0.5953, 0.3053

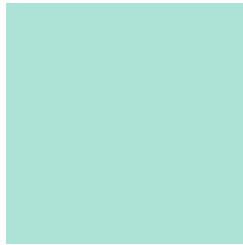


0.7310, 0.5541, 0.2826



# Previews

## White Background



This preview shows how the Yxy color 68.6774, 0.2851, 0.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

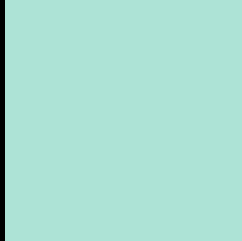
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6774, 0.2851, 0.3444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

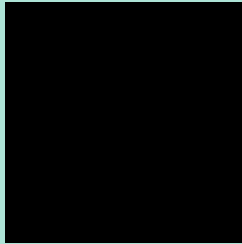
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

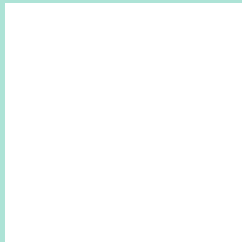
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.6774, 0.2851, 0.3444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6774, 0.2851, 0.3444.

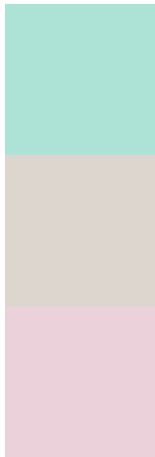


This preview shows how white text looks on a background with the Yxy color 68.6774, 0.2851, 0.3444.

# 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

68.6774, 0.2851, 0.3444

### Protanopia

67.9703, 0.3227, 0.3368

### Deuteranopia

68.3251, 0.3260, 0.3194



## Tritanopia

68.5912, 0.2725, 0.3083

# Trichromacy



## Original Color

68.6774, 0.2851, 0.3444

## Protanomaly

68.1535, 0.3080, 0.3393

## Deuteranomaly

68.1185, 0.3092, 0.3279

## Tritanomaly

68.3109, 0.2770, 0.3207

# Monochromacy



## Original Color

68.6774, 0.2851, 0.3444

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.5506, 0.3017, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  68.6774, 0.2851, 0.3444 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(173, 227, 214)` looks like.

```
.text, #text, p{  
    color:rgb(173, 227, 214)  
}
```

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(173, 227, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 227, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6774, 0.2851, 0.3444 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(173, 227, 214) }
```

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

```
.border{ border-color:rgb(173, 227, 214) }
```

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

Here you see how a box with a 4 pixel rgb(173, 227, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 227, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 227, 214);  
box-shadow:4px 4px 4px 4px rgb(173, 227,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6774, 0.2851, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 227, 214) }
```

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

```
.background{ background-color: rgb(173,  
227, 214) }
```

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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