

# Converting Colors

$Yxy(68.6135, 0.2931, 0.3518)$

Have a look what the booklet for  
Yxy(68.6135, 0.2931, 0.3518)  
contains.

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# Color

**Yxy(68.4814, 0.2929, 0.3516)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E2CF
RGB	179, 226, 207
RGB Percent	70%, 89%, 81%
CMY	0.2980, 0.1137, 0.1882
CMYK	0.21, 0.00, 0.08, 0.11
HSL	156°, 45%, 79%
HSV	156°, 21%, 89%
XYZ	57.0484, 68.4814, 69.2410
YIQ	209.7810, -21.9130, -15.8730

# Conversions

## Conversions Part 2

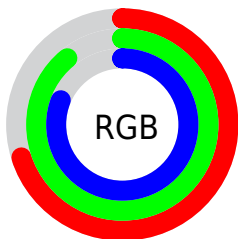
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 208, 226
Decimal	11789007
CIELab	86.25, -18.95, 4.30
CIElCh	86, 19.434, 167.218
Yxy	68.4814, 0.2929, 0.3516
Android (android.graphics.Color)	4289979087 (0xFFB3E2CF)
YUV	209.7810, -1.3710, -26.9949
Hunter-Lab	82.7535, -21.7648, 8.3187

# Details

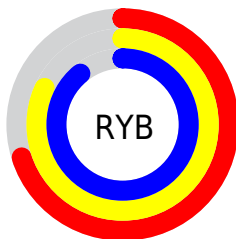
The Yxy color **68.4814, 0.2929, 0.3516** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4867, 0.3379, 0.3075**, and the grayscale version is **64.3188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **35.7857, 0.2875, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **65.5743, 0.2842, 0.3642**, and if you desaturate by 10%, it is **71.8615, 0.3022, 0.3401**.

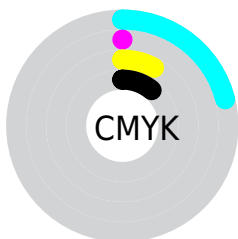
# Distribution



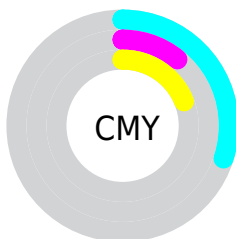
- Red (70%)
- Green (89%)
- Blue (81%)



- Red (70%)
- Yellow (82%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)




- Cyan (30%)
- Magenta (11%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4814, 0.2929, 0.3516 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 68.4814, 0.2929, 0.3516 by changing the saturation by 10% instead.



 68.4814, 0.2929,  
0.3516

 68.4814, 0.2929,  
0.3516


455.1998, 0.3023,  
0.3409

 50.2895, 0.2907,  
0.3541


 117.0406, 0.2962,  
0.3478

 35.6435, 0.2880,  
0.3573


148.1766, 0.2974,  
0.3464

 24.1590, 0.2845,  
0.3614


184.3961, 0.2985,  
0.3451

 15.4516, 0.2799,  
0.3668

226.0835, 0.2995,  
0.3440

 9.1369, 0.2734,  
0.3745

273.6231, 0.3003,  
0.3431

 4.8306, 0.2638,  
0.3860


327.3995, 0.3010,

 2.1482, 0.2481,

0.3423


0.4053

387.7969, 0.3017,  
0.3415


 0.6915, 0.1454,  
0.5166


 0.0000, 0.0000,  
0.0000

 68.4814, 0.2929,  
0.3516

 68.4814, 0.2929,  
0.3516


 65.5743, 0.2842,  
0.3642


 71.8615, 0.3022,  
0.3401


 63.1095, 0.2764,  
0.3779


 75.7263, 0.3119,  
0.3298


 61.0664, 0.2698,  
0.3925


 80.0980, 0.3218,  
0.3206

 59.4189, 0.2648,  
0.4079


 82.1603, 0.3215,  
0.3118

 58.1379, 0.2616,  
0.4236

 82.7279, 0.3155,  
0.3031

 57.1905, 0.2605,  
0.4395

 82.8758, 0.3140,  
0.3009

 56.5371, 0.2614,  
0.4552

 56.1344, 0.2637,  
0.4692

# Harmonies

## Analogous

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



68.4814, 0.3162, 0.3672



68.4814, 0.2929, 0.3516



68.4814, 0.2753, 0.3296

# Triad

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



68.4814, 0.2929, 0.3516



68.4814, 0.2857, 0.2891



68.4814, 0.3601, 0.3468

# Complementary

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



68.4814, 0.2929, 0.3516



52.4867, 0.3379, 0.3075

# 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.



68.4814, 0.3514, 0.3267



68.4814, 0.2929, 0.3516



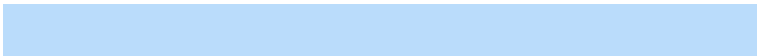
68.4814, 0.3078, 0.2943

# Square

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



68.4814, 0.2929, 0.3516



68.4814, 0.2713, 0.2939



68.4814, 0.3319, 0.3078



68.4814, 0.3555, 0.3633



# Rectangle

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



68.4814, 0.2929, 0.3516



68.4814, 0.2689, 0.3149



68.4814, 0.3319, 0.3078



68.4814, 0.3586, 0.3402

# Sweetspot

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



68.4842, 0.2929, 0.3516



96.8207, 0.3068, 0.3351



69.7358, 0.3238, 0.3842



20.6526, 0.3062, 0.3357



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

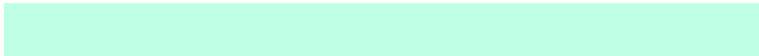


# Same Dimension

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



68.4842, 0.2929, 0.3516



88.2984, 0.2890, 0.3570



67.3643, 0.2815, 0.3243



15.4736, 0.3035, 0.3386



32.0470, 0.2630, 0.4668



2.2389, 0.2565, 0.4432



# Inverse Universe

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



52.4867, 0.3379, 0.3075



63.6419, 0.3446, 0.3027



53.2565, 0.3534, 0.3336



13.7919, 0.3229, 0.3196



9.6811, 0.5352, 0.2722

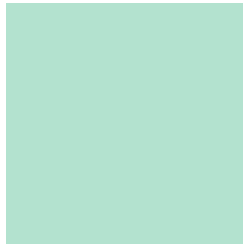


0.6884, 0.4947, 0.2499



# Previews

## White Background



This preview shows how the Yxy color 68.4814, 0.2929, 0.3516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

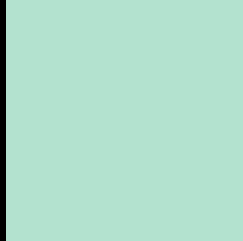
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4814, 0.2929, 0.3516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

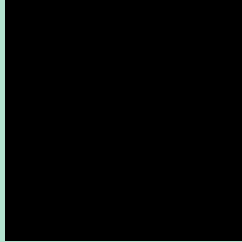
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

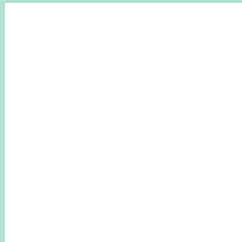
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.4814, 0.2929, 0.3516**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4814, 0.2929, 0.3516.



This preview shows how white text looks on a background with the Yxy color 68.4814, 0.2929, 0.3516.

# 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

68.4814, 0.2929, 0.3516

### Protanopia

67.8398, 0.3277, 0.3435

### Deuteranopia

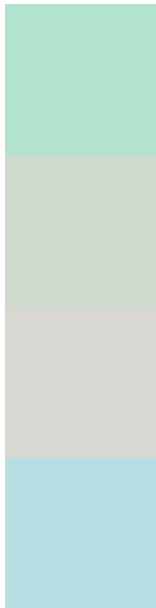
67.9920, 0.3334, 0.3259



## Tritanopia

68.2592, 0.2776, 0.3084

# Trichromacy



**Original Color**

68.4814, 0.2929, 0.3516

**Protanomaly**

67.5764, 0.3141, 0.3462

**Deuteranomaly**

68.0057, 0.3176, 0.3346

**Tritanomaly**

68.3887, 0.2835, 0.3243

# Monochromacy



**Original Color**

68.4814, 0.2929, 0.3516

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.8573, 0.3052, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4814, 0.2929, 0.3516 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(179, 226, 207)` looks like.

```
.text, #text, p{  
    color:rgb(179, 226, 207)  
}
```

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(179, 226, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 226, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4814, 0.2929, 0.3516 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(179, 226, 207) }
```

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

```
.border{ border-color:rgb(179, 226, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 226, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 226, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 226, 207);  
box-shadow:4px 4px 4px 4px rgb(179, 226,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4814, 0.2929, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 226, 207) }
```

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

```
.background{ background-color: rgb(179,  
226, 207) }
```

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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