

# Converting Colors

$Yxy(68.5828, 0.2917, 0.3492)$

Have a look what the booklet for  
Yxy(68.5828, 0.2917, 0.3492)  
contains.

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# Color

**Yxy(68.5799, 0.2917, 0.3492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E2D1
RGB	179, 226, 209
RGB Percent	70%, 89%, 82%
CMY	0.2982, 0.1137, 0.1805
CMYK	0.21, 0.00, 0.08, 0.11
HSL	158°, 45%, 79%
HSV	158°, 21%, 89%
XYZ	57.2874, 68.5799, 70.5242
YIQ	210.0090, -22.5550, -15.2510

# Conversions

## Conversions Part 2

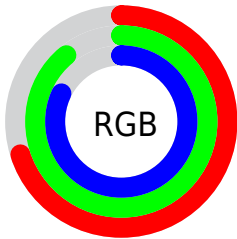
Format	Color
<a href="#">RYB</a>	<a href="#">179, 208, 226</a>
Decimal	<a href="#">11789009</a>
CIELab	<a href="#">86.30, -18.58, 3.33</a>
CIELCh	<a href="#">86, 18.871, 169.843</a>
Yxy	<a href="#">68.5799, 0.2917, 0.3492</a>
Android (android.graphics.Color)	<a href="#">4289979089 (0xFFB3E2D1)</a>
YUV	<a href="#">210.0090, -0.4974, -27.1949</a>
Hunter-Lab	<a href="#">82.8130, -21.4421, 7.4773</a>

# Details

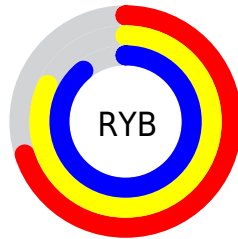
The Yxy color **68.5799, 0.2917, 0.3492** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.3845, 0.3396, 0.3097**, and the grayscale version is **64.4663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **35.8524, 0.2860, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **65.7124, 0.2825, 0.3604**, and if you desaturate by 10%, it is **71.9153, 0.3016, 0.3390**.

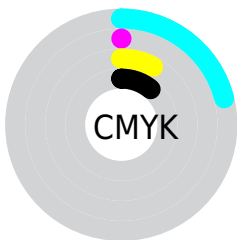
# Distribution



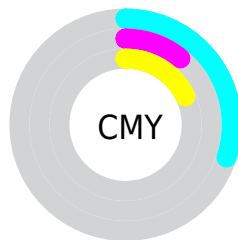
- Red (70%)
- Green (89%)
- Blue (82%)



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



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




- Cyan (30%)
- Magenta (11%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5799, 0.2917, 0.3492 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 68.5799, 0.2917, 0.3492 by changing the saturation by 10% instead.





 68.5799, 0.2917,  
0.3492

 68.5799, 0.2917,  
0.3492


455.5479, 0.3016,  
0.3396

 50.3697, 0.2894,  
0.3514


 117.1813, 0.2952,  
0.3458

 35.7072, 0.2865,  
0.3543


148.3413, 0.2965,  
0.3445

 24.2081, 0.2829,  
0.3579

184.5867, 0.2976,  
0.3434

 15.4881, 0.2780,  
0.3627

226.3018, 0.2986,  
0.3425

 9.1627, 0.2713,  
0.3694

273.8711, 0.2995,  
0.3416

 4.8474, 0.2613,  
0.3795

327.6790, 0.3003,

 2.1580, 0.2451,

0.3409

388.1098, 0.3010,  
0.3402

0.3963

0.6970, 0.1459,  
0.4867

0.0000, 0.0000,  
0.0000

68.5799, 0.2917,  
0.3492

68.5799, 0.2917,  
0.3492

65.7124, 0.2825,  
0.3604

71.9153, 0.3016,  
0.3390

63.2824, 0.2742,  
0.3726

75.7303, 0.3119,  
0.3297

61.2691, 0.2673,  
0.3856

80.0469, 0.3223,  
0.3214

59.6468, 0.2619,  
0.3991


82.0541, 0.3227,  
0.3136

 58.3866, 0.2584,  
0.4131

 82.5563, 0.3173,  
0.3057

 57.4554, 0.2569,  
0.4273

 82.8804, 0.3140,  
0.3009

 56.8140, 0.2574,  
0.4413

 56.4192, 0.2594,  
0.4539

# Harmonies

## Analogous

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



68.5799, 0.3141, 0.3651



68.5799, 0.2917, 0.3492



68.5799, 0.2753, 0.3276

# Triad

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



68.5799, 0.2917, 0.3492



68.5799, 0.2882, 0.2903



68.5799, 0.3588, 0.3479

# Complementary

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



68.5799, 0.2917, 0.3492



52.3845, 0.3396, 0.3097

# 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.



68.5799, 0.3514, 0.3285



68.5799, 0.2917, 0.3492



68.5799, 0.3100, 0.2961

# Square

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



68.5799, 0.2917, 0.3492



68.5799, 0.2733, 0.2942



68.5799, 0.3333, 0.3099



68.5799, 0.3533, 0.3634



# Rectangle

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



68.5799, 0.2917, 0.3492



68.5799, 0.2697, 0.3137



68.5799, 0.3333, 0.3099



68.5799, 0.3578, 0.3416

# Sweetspot

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



68.5827, 0.2917, 0.3492



96.8611, 0.3065, 0.3344



69.4189, 0.3221, 0.3845



20.6622, 0.3058, 0.3350



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

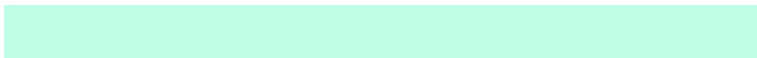


# Same Dimension

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



68.5827, 0.2917, 0.3492



88.4502, 0.2876, 0.3540



66.1225, 0.2813, 0.3216



15.4837, 0.3030, 0.3376



32.2062, 0.2588, 0.4517



2.2493, 0.2529, 0.4305



# Inverse Universe

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



52.3845, 0.3396, 0.3097



63.5029, 0.3468, 0.3054



54.2235, 0.3529, 0.3363



13.7822, 0.3235, 0.3205



9.5912, 0.5521, 0.2815

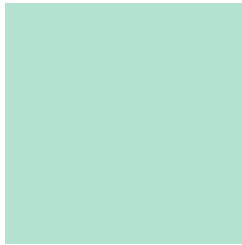


0.6816, 0.5096, 0.2581



# Previews

## White Background



This preview shows how the Yxy color 68.5799, 0.2917, 0.3492 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 68.5799, 0.2917, 0.3492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

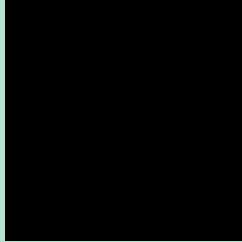
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

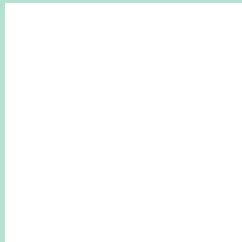
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.5799, 0.2917, 0.3492**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5799, 0.2917, 0.3492.

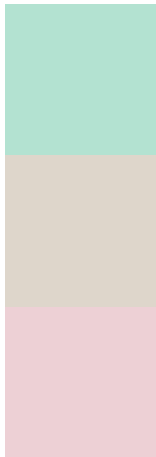


This preview shows how white text looks on a background with the Yxy color 68.5799, 0.2917, 0.3492.

# 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

68.5799, 0.2917, 0.3492

### Protanopia

67.9345, 0.3263, 0.3413

### Deuteranopia

67.9204, 0.3312, 0.3237



## Tritanopia

68.7888, 0.2777, 0.3096

# Trichromacy



**Original Color**

68.5799, 0.2917, 0.3492

**Protanomaly**

67.6724, 0.3127, 0.3439

**Deuteranomaly**

67.9533, 0.3155, 0.3324

**Tritanomaly**

68.4441, 0.2829, 0.3231

# Monochromacy



**Original Color**

68.5799, 0.2917, 0.3492

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.9070, 0.3045, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5799, 0.2917, 0.3492 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(179, 226, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 226, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5799, 0.2917, 0.3492 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, 209) }
```

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

```
.border{ border-color:rgb(179, 226, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 226, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 226, 209);  
box-shadow:4px 4px 4px 4px rgb(179, 226,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5799, 0.2917, 0.3492 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, 209) }
```

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

```
.background{ background-color: rgb(179,  
226, 209) }
```

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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