

# Converting Colors

Yxy(67.9871, 0.2984, 0.3519)

Have a look what the booklet for  
Yxy(67.9871, 0.2984, 0.3519)  
contains.

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# Color

**Yxy(68.0334, 0.2980, 0.3515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9E0CD
RGB	185, 224, 205
RGB Percent	73%, 88%, 80%
CMY	0.2746, 0.1215, 0.1961
CMYK	0.17, 0.00, 0.08, 0.12
HSL	151°, 39%, 80%
HSV	151°, 17%, 88%
XYZ	57.6784, 68.0334, 67.8398
YIQ	210.1730, -17.1450, -14.1770

# Conversions

## Conversions Part 2

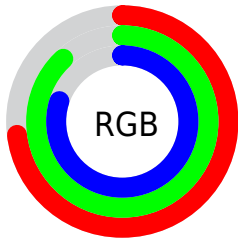
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	185, 211, 224
Decimal	12181709
CIE <sub>Lab</sub>	86.02, -16.44, 5.08
CIE <sub>LCh</sub>	86, 17.210, 162.824
Y <sub>xy</sub>	68.0334, 0.2980, 0.3515
Android (android.graphics.Color)	4290371789 (0xFFB9E0CD)
YUV	210.1730, -2.5503, -22.0767
Hunter-Lab	82.4824, -19.5224, 8.9730

# Details

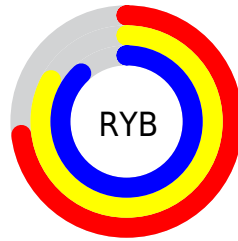
The Yxy color **68.0334, 0.2980, 0.3515** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9009, 0.3305, 0.3075**, and the grayscale version is **64.5931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **35.4356, 0.2938, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **64.9574, 0.2901, 0.3664**, and if you desaturate by 10%, it is **71.5908, 0.3064, 0.3381**.

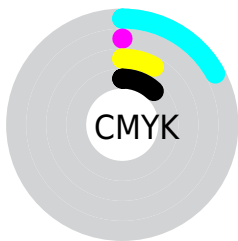
# Distribution



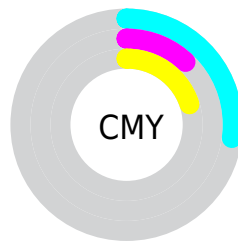
- Red (73%)
- Green (88%)
- Blue (80%)



- Red (73%)
- Yellow (83%)
- Blue (88%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)




- Cyan (27%)
- Magenta (12%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0334, 0.2980, 0.3515 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 68.0334, 0.2980, 0.3515 by changing the saturation by 10% instead.





 68.0334, 0.2980,  
0.3515

 68.0334, 0.2980,  
0.3515


453.6143, 0.3050,  
0.3408

 49.9249, 0.2964,  
0.3540


 116.3999, 0.3005,  
0.3477

 35.3537, 0.2943,  
0.3572


147.4267, 0.3014,  
0.3463

 23.9355, 0.2917,  
0.3613


183.5285, 0.3022,  
0.3450

 15.2858, 0.2882,  
0.3668

225.0895, 0.3029,  
0.3439

 9.0202, 0.2832,  
0.3745

272.4942, 0.3035,  
0.3430

 4.7544, 0.2759,  
0.3861

326.1270, 0.3041,

 2.1039, 0.2636,

0.3422

0.4057

386.3722, 0.3046,  
0.3414

0.6668, 0.1830,  
0.5251

0.0000, 0.0000,  
0.0000

68.0334, 0.2980,  
0.3515

68.0334, 0.2980,  
0.3515

64.9574, 0.2901,  
0.3664

71.5908, 0.3064,  
0.3381

62.3330, 0.2828,  
0.3827

75.6410, 0.3149,  
0.3260

60.1402, 0.2766,  
0.4002

80.2055, 0.3235,  
0.3154

58.3540, 0.2718,  
0.4187

81.3953, 0.3182,  
0.3049

■ 56.9468, 0.2687,  
0.4379

■ 81.7966, 0.3141,  
0.2990

■ 55.8873, 0.2675,  
0.4571

■ 55.1390, 0.2683,  
0.4760

■ 54.6530, 0.2710,  
0.4940

■ 54.5500, 0.2718,  
0.4986

# Harmonies

## Analogous

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



68.0334, 0.3191, 0.3640



68.0334, 0.2980, 0.3515



68.0334, 0.2813, 0.3325

# Triad

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



68.0334, 0.2980, 0.3515



68.0334, 0.2863, 0.2936



68.0334, 0.3543, 0.3424

# Complementary

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



68.0334, 0.2980, 0.3515



54.9009, 0.3305, 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.



68.0334, 0.3450, 0.3244



68.0334, 0.2980, 0.3515



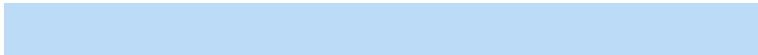
68.0334, 0.3053, 0.2968

# Square

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



68.0334, 0.2980, 0.3515



68.0334, 0.2747, 0.2993



68.0334, 0.3268, 0.3080



68.0334, 0.3520, 0.3578



# Rectangle

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



68.0334, 0.2980, 0.3515



68.0334, 0.2746, 0.3194



68.0334, 0.3268, 0.3080



68.0334, 0.3524, 0.3365

# Sweetspot

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



68.0363, 0.2980, 0.3515



97.2676, 0.3084, 0.3351



69.7266, 0.3244, 0.3742



20.7400, 0.3078, 0.3359



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

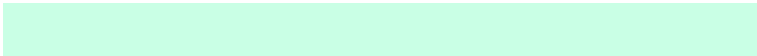


# Same Dimension

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



68.0363, 0.2980, 0.3515



89.6513, 0.2950, 0.3569



69.0115, 0.2865, 0.3289



15.4539, 0.3047, 0.3407



31.7723, 0.2711, 0.4959



2.2204, 0.2634, 0.4682



# Inverse Universe

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



54.9009, 0.3305, 0.3075



68.8201, 0.3351, 0.3027



54.0430, 0.3462, 0.3291



13.8113, 0.3216, 0.3176



9.8925, 0.5005, 0.2531

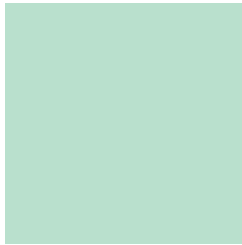


0.7037, 0.4654, 0.2338



# Previews

## White Background



This preview shows how the Yxy color 68.0334, 0.2980, 0.3515 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 68.0334, 0.2980, 0.3515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

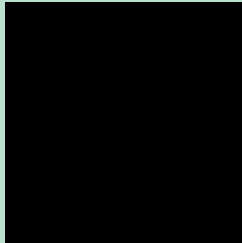
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

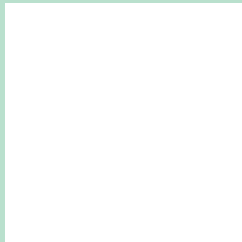
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.0334, 0.2980, 0.3515**

## Background



This preview shows how black text looks on a background with the Yxy color 68.0334, 0.2980, 0.3515.

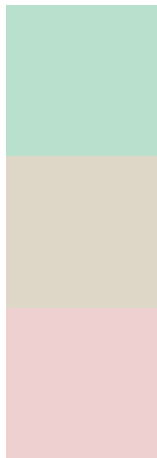


This preview shows how white text looks on a background with the Yxy color 68.0334, 0.2980, 0.3515.

# 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

68.0334, 0.2980, 0.3515

### Protanopia

67.7463, 0.3291, 0.3458

### Deuteranopia

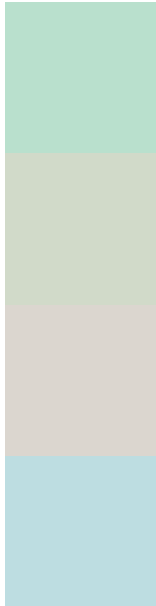
67.8430, 0.3357, 0.3291



## Tritanopia

67.8538, 0.2824, 0.3086

# Trichromacy



**Original Color**

68.0334, 0.2980, 0.3515

**Protanomaly**

67.9152, 0.3176, 0.3484

**Deuteranomaly**

67.6582, 0.3212, 0.3368

**Tritanomaly**

67.9680, 0.2884, 0.3243

# Monochromacy



**Original Color**

68.0334, 0.2980, 0.3515

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.5725, 0.3073, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0334, 0.2980, 0.3515 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(185, 224, 205)` looks like.

```
.text, #text, p{  
    color:rgb(185, 224, 205)  
}
```

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(185, 224, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 224, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0334, 0.2980, 0.3515 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(185, 224, 205) }
```

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

```
.border{ border-color:rgb(185, 224, 205) }
```

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

Here you see how a box with a 4 pixel rgb(185, 224, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 224, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 224, 205);  
box-shadow:4px 4px 4px 4px rgb(185, 224,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0334, 0.2980, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 224, 205) }
```

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

```
.background{ background-color: rgb(185,  
224, 205) }
```

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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