

# Converting Colors

$Yxy(80.4228, 0.2953, 0.3784)$

Have a look what the booklet for  
Yxy(80.4228, 0.2953, 0.3784)  
contains.

<b>Yxy(80.4649, 0.2952, 0.3785)</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(80.4649, 0.2952, 0.3785)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F7CC
RGB	179, 247, 204
RGB Percent	70%, 97%, 80%
CMY	0.2980, 0.0314, 0.1999
CMYK	0.28, 0.00, 0.17, 0.03
HSL	142°, 81%, 84%
HSV	142°, 28%, 97%
XYZ	62.7562, 80.4649, 69.3678
YIQ	221.7660, -26.7250, -27.7890

# Conversions

## Conversions Part 2

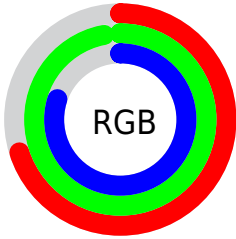
Format	Color
<b>RYB</b>	179, 229, 247
Decimal	11794380
CIELab	91.89, -29.67, 13.93
CIELCh	92, 32.776, 154.849
Yxy	80.4649, 0.2952, 0.3785
Android (android.graphics.Color)	4289984460 (0xFFB3F7CC)
YUV	221.7660, -8.7586, -37.5058
Hunter-Lab	89.7022, -32.0992, 16.9419

# Details

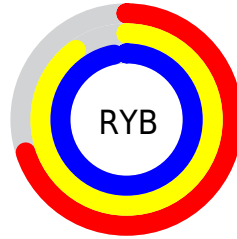
The Yxy color **80.4649, 0.2952, 0.3785** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.2961, 0.3357, 0.2843**, and the grayscale version is **72.9563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **43.3889, 0.2909, 0.3899** is the 20% darker color. If you saturate the color by 10%, you get **77.0714, 0.2896, 0.4002**, and if you desaturate by 10%, it is **84.4674, 0.3014, 0.3587**.

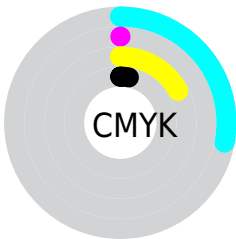
# Distribution



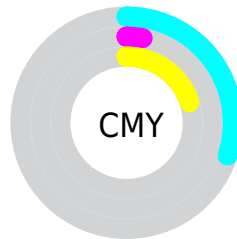
- Red (70%)
- Green (97%)
- Blue (80%)



- Red (70%)
- Yellow (90%)
- Blue (97%)



- Cyan (28%)
- Magenta (0%)
- Yellow (17%)
- Black (3%)




- Cyan (30%)
- Magenta (3%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4649, 0.2952, 0.3785 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 80.4649, 0.2952, 0.3785 by changing the saturation by 10% instead.




 80.4649, 0.2952,  
0.3785

 80.4649, 0.2952,  
0.3785

496.4982, 0.3036,  
0.3552

 60.1010, 0.2932,  
0.3839


 134.0192, 0.2982,  
0.3703

 43.5000, 0.2908,  
0.3907


167.9783, 0.2993,  
0.3672

 30.2777, 0.2876,  
0.3994


207.2380, 0.3003,  
0.3645

 20.0494, 0.2833,  
0.4108

252.1826, 0.3011,  
0.3621

 12.4310, 0.2774,  
0.4267

303.1965, 0.3018,  
0.3601

 7.0379, 0.2685,  
0.4500


360.6642, 0.3025,


 3.4858, 0.2540,


0.3582


0.4875


424.9699, 0.3031,  
0.3566


 1.3903, 0.2218,  
0.5849


 0.2096, 0.0000,  
1.0000

 80.4649, 0.2952,  
0.3785


 80.4649, 0.2952,  
0.3785


 77.0714, 0.2896,  
0.4002

 84.4674, 0.3014,  
0.3587


 74.2464, 0.2848,  
0.4235

 89.0968, 0.3078,  
0.3410

 71.9603, 0.2813,  
0.4480

 94.3831, 0.3143,  
0.3253

 70.1764, 0.2792,  
0.4729

 95.0010, 0.3131,  
0.3214

■ 68.8534, 0.2790,  
0.4973

■ 67.9430, 0.2806,  
0.5201

■ 67.3819, 0.2839,  
0.5404

■ 67.2740, 0.2847,  
0.5451

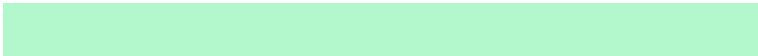
# Harmonies

## Analogous

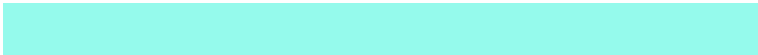
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4649, 0.3332, 0.3966



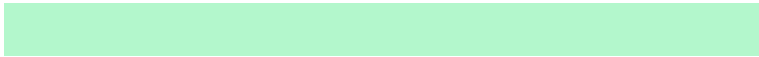
80.4649, 0.2952, 0.3785



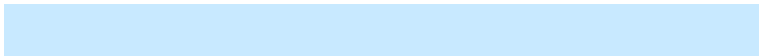
80.4649, 0.2632, 0.3446

# Triad

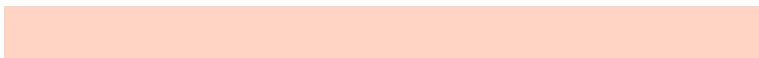
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4649, 0.2952, 0.3785



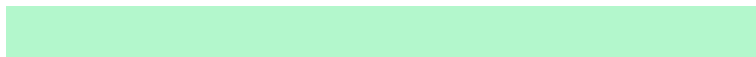
80.4649, 0.2590, 0.2676



80.4649, 0.3857, 0.3428

# Complementary

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



80.4649, 0.2952, 0.3785



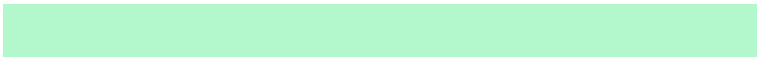
57.2961, 0.3357, 0.2843

# 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.



80.4649, 0.3634, 0.3119



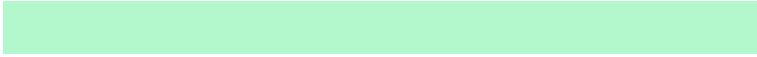
80.4649, 0.2952, 0.3785



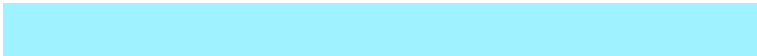
80.4649, 0.2890, 0.2701

# Square

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



80.4649, 0.2952, 0.3785



80.4649, 0.2434, 0.2805



80.4649, 0.3273, 0.2860

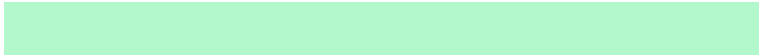


80.4649, 0.3868, 0.3724



# Rectangle

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



80.4649, 0.2952, 0.3785



80.4649, 0.2492, 0.3196



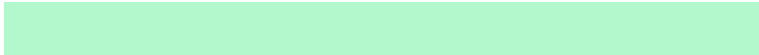
80.4649, 0.3273, 0.2860



80.4649, 0.3804, 0.3323

# Sweetspot

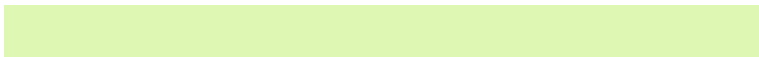
The Sweet Spot groups the original color and five complimentary colors.



80.4683, 0.2952, 0.3785



95.5313, 0.3075, 0.3418



85.3178, 0.3371, 0.4020



20.2787, 0.3065, 0.3444



0.0000, 0.0000, 0.0000

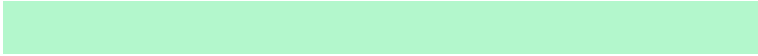


21.4041, 0.3127, 0.3290

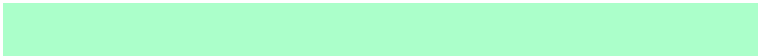


# Same Dimension

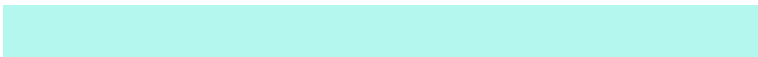
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4683, 0.2952, 0.3785



84.4163, 0.2920, 0.3903



82.2764, 0.2772, 0.3390



18.5728, 0.3065, 0.3443



35.6043, 0.2839, 0.5420



3.1484, 0.2769, 0.5168



# Inverse Universe

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



57.2961, 0.3357, 0.2843



55.7133, 0.3417, 0.2750



55.6572, 0.3648, 0.3194



16.6588, 0.3194, 0.3141



11.7580, 0.4411, 0.2204

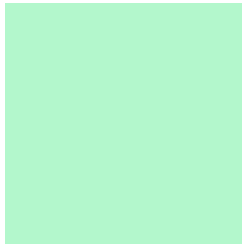


1.0532, 0.4220, 0.2098



# Previews

## White Background



This preview shows how the Yxy color 80.4649, 0.2952, 0.3785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

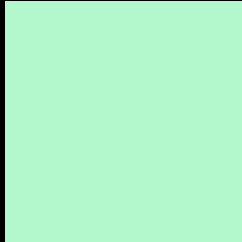
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.4649, 0.2952, 0.3785 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 80.4649, 0.2952, 0.3785**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.4649, 0.2952, 0.3785.

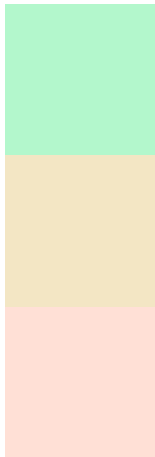


This preview shows how white text looks on a background with the Yxy color 80.4649, 0.2952, 0.3785.

# 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

80.4649, 0.2952, 0.3785

### Protanopia

79.6338, 0.3443, 0.3645

### Deuteranopia

79.4263, 0.3417, 0.3392



## Tritanopia

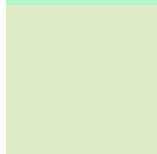
80.1048, 0.2769, 0.3107

# Trichromacy



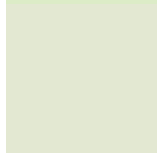
## Original Color

80.4649, 0.2952, 0.3785



## Protanomaly

79.3301, 0.3250, 0.3693



## Deuteranomaly

78.6973, 0.3233, 0.3525



## Tritanomaly

79.9139, 0.2839, 0.3344

# Monochromacy



## Original Color

80.4649, 0.2952, 0.3785



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.1799, 0.3058, 0.3468

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.4649, 0.2952, 0.3785 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, 247, 204)` looks like.

```
.text, #text, p{  
    color:rgb(179, 247, 204)  
}
```

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, 247, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 247, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 80.4649, 0.2952, 0.3785 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, 247, 204) }
```

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

```
.border{ border-color:rgb(179, 247, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 247, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 247, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 247, 204);  
box-shadow:4px 4px 4px 4px rgb(179, 247,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.4649, 0.2952, 0.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 247, 204) }
```

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

```
.background{ background-color: rgb(179,  
247, 204) }
```

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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