

# Converting Colors

$Yxy(80.2433, 0.2976, 0.3852)$

Have a look what the booklet for  
Yxy(80.2433, 0.2976, 0.3852)  
contains.

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# Color

**Yxy(80.1100, 0.2974, 0.3846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2F7C7
RGB	178, 247, 199
RGB Percent	70%, 97%, 78%
CMY	0.3016, 0.0314, 0.2196
CMYK	0.28, 0.00, 0.19, 0.03
HSL	138°, 81%, 83%
HSV	138°, 28%, 97%
XYZ	61.9467, 80.1100, 66.2376
YIQ	220.8970, -25.7160, -29.5560

# Conversions

## Conversions Part 2

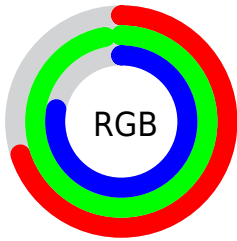
Format	Color
<a href="#">RYB</a>	<a href="#">178, 231, 247</a>
Decimal	<a href="#">11728839</a>
CIELab	<a href="#">91.73, -30.86, 16.28</a>
CIElCh	<a href="#">92, 34.896, 152.183</a>
Yxy	<a href="#">80.1100, 0.2974, 0.3846</a>
Android (android.graphics.Color)	<a href="#">4289918919</a> ( <a href="#">0xFFB2F7C7</a> )
YUV	<a href="#">220.8970, -10.7952, -37.6207</a>
Hunter-Lab	<a href="#">89.5042, -33.0907, 18.7754</a>

# Details

The Yxy color **80.1100, 0.2974, 0.3846** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.1452, 0.3325, 0.2793**, and the grayscale version is **72.3364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **43.1563, 0.2936, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **76.6936, 0.2925, 0.4087**, and if you desaturate by 10%, it is **84.1494, 0.3027, 0.3626**.

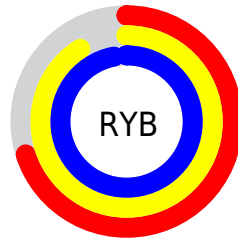
# Distribution



Red (70%)

Green (97%)

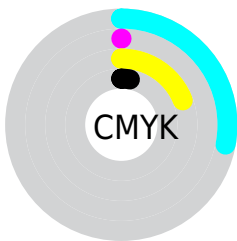
Blue (78%)



Red (70%)

Yellow (91%)

Blue (97%)

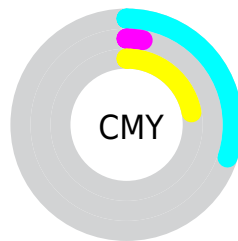


Cyan (28%)

Magenta (0%)

Yellow (19%)

Black (3%)



Cyan (30%)

Magenta (3%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1100, 0.2974, 0.3846 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 80.1100, 0.2974, 0.3846 by changing the saturation by 10% instead.



 80.1100, 0.2974,  
0.3846

 80.1100, 0.2974,  
0.3846


495.3035, 0.3049,  
0.3583

 59.8089, 0.2956,  
0.3908


 133.5204, 0.3001,  
0.3754

 43.2646, 0.2933,  
0.3984


167.3984, 0.3011,  
0.3718

 30.0928, 0.2904,  
0.4083


206.5709, 0.3019,  
0.3687

 19.9090, 0.2864,  
0.4213

251.4222, 0.3027,  
0.3661

 12.3289, 0.2807,  
0.4394

302.3367, 0.3033,  
0.3638

 6.9681, 0.2720,  
0.4661


359.6988, 0.3039,


 3.4422, 0.2574,


0.3617


0.5091

423.8929, 0.3044,  
0.3599


 1.3667, 0.2266,  
0.6435


 0.1920, 0.0000,  
1.0000


 80.1100, 0.2974,  
0.3846

 80.1100, 0.2974,  
0.3846


 76.6936, 0.2925,  
0.4087

 84.1494, 0.3027,  
0.3626


 73.8591, 0.2884,  
0.4346

 88.8308, 0.3083,  
0.3429

 71.5756, 0.2854,  
0.4615

 94.1846, 0.3139,  
0.3255

 69.8056, 0.2838,  
0.4885

 94.9929, 0.3131,  
0.3214

■ 68.5066, 0.2838,  
0.5145

■ 67.6287, 0.2855,  
0.5380

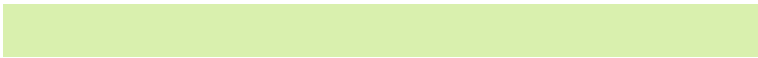
■ 67.1055, 0.2887,  
0.5579

■ 67.0208, 0.2894,  
0.5617

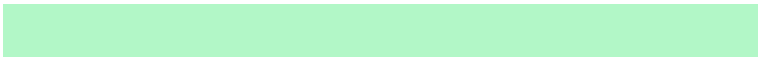
# Harmonies

## Analogous

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



80.1100, 0.3379, 0.4018



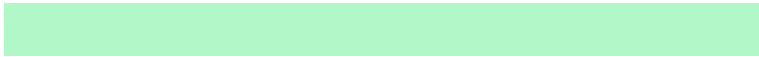
80.1100, 0.2974, 0.3846



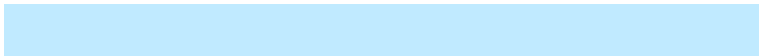
80.1100, 0.2625, 0.3491

# Triad

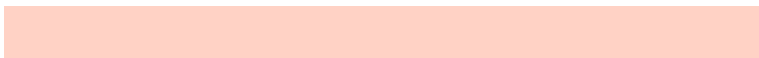
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1100, 0.2974, 0.3846



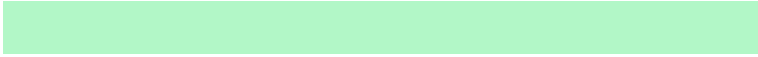
80.1100, 0.2534, 0.2643



80.1100, 0.3894, 0.3405

# Complementary

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



80.1100, 0.2974, 0.3846



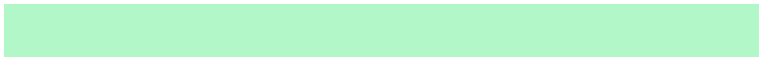
57.1452, 0.3325, 0.2793

# 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.



80.1100, 0.3638, 0.3080



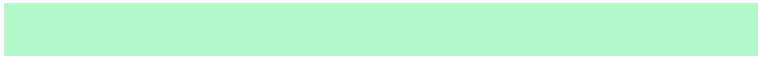
80.1100, 0.2974, 0.3846



80.1100, 0.2840, 0.2656

# Square

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



80.1100, 0.2974, 0.3846



80.1100, 0.2385, 0.2793



80.1100, 0.3244, 0.2814

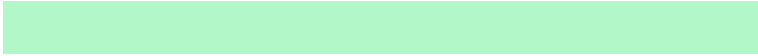


80.1100, 0.3925, 0.3724



# Rectangle

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



80.1100, 0.2974, 0.3846



80.1100, 0.2467, 0.3223



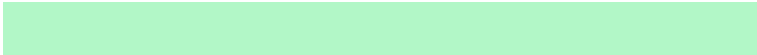
80.1100, 0.3244, 0.2814



80.1100, 0.3831, 0.3294

# Sweetspot

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



80.1133, 0.2974, 0.3846



95.4527, 0.3082, 0.3432



85.9514, 0.3406, 0.4023



20.2590, 0.3074, 0.3460



0.0000, 0.0000, 0.0000

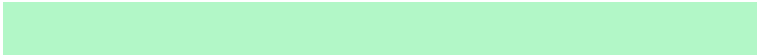


21.4041, 0.3127, 0.3290

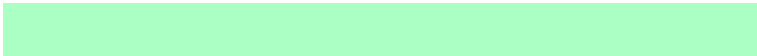


# Same Dimension

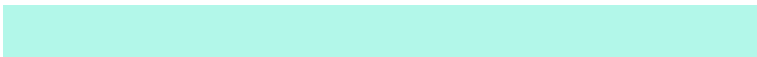
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1133, 0.2974, 0.3846



84.1649, 0.2948, 0.3968



81.8843, 0.2791, 0.3443



18.5549, 0.3074, 0.3459



35.4717, 0.2886, 0.5588



3.1351, 0.2817, 0.5340



# Inverse Universe

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



57.1452, 0.3325, 0.2793



56.0114, 0.3371, 0.2698



55.4507, 0.3617, 0.3144



16.6776, 0.3185, 0.3127



12.0596, 0.4160, 0.2066

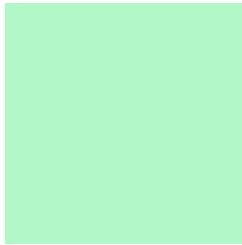


1.0781, 0.4012, 0.1984



# Previews

## White Background



This preview shows how the Yxy color 80.1100, 0.2974, 0.3846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

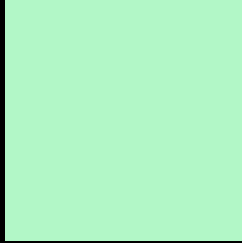
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1100, 0.2974, 0.3846 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 80.1100, 0.2974, 0.3846**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1100, 0.2974, 0.3846.

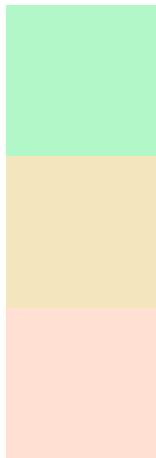


This preview shows how white text looks on a background with the Yxy color 80.1100, 0.2974, 0.3846.

# 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

80.1100, 0.2974, 0.3846

### Protanopia

79.4099, 0.3477, 0.3698

### Deuteranopia

79.2745, 0.3438, 0.3422



## Tritanopia

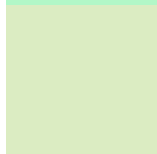
79.9712, 0.2763, 0.3107

# Trichromacy



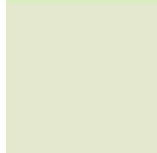
## Original Color

80.1100, 0.2974, 0.3846



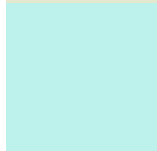
## Protanomaly

78.9460, 0.3275, 0.3750



## Deuteranomaly

78.5491, 0.3252, 0.3558



## Tritanomaly

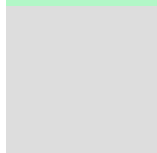
79.7276, 0.2838, 0.3356

# Monochromacy



## Original Color

80.1100, 0.2974, 0.3846



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

74.3769, 0.3064, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1100, 0.2974, 0.3846 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(178, 247, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 247, 199)  
}
```

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(178, 247, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 247, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1100, 0.2974, 0.3846 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(178, 247, 199) }
```

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

```
.border{ border-color:rgb(178, 247, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 247, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 247, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 247, 199);  
box-shadow:4px 4px 4px 4px rgb(178, 247,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1100, 0.2974, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 247, 199) }
```

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

```
.background{ background-color: rgb(178,  
247, 199) }
```

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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