

# Converting Colors

$Yxy(80.3237, 0.2854, 0.3568)$

Have a look what the booklet for  
Yxy(80.3237, 0.2854, 0.3568)  
contains.

<b>Yxy(80.5970, 0.2854, 0.3574)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(80.5970, 0.2854, 0.3574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2F6DD
RGB	178, 246, 221
RGB Percent	70%, 96%, 87%
CMY	0.3020, 0.0352, 0.1334
CMYK	0.28, 0.00, 0.10, 0.04
HSL	158°, 79%, 83%
HSV	158°, 28%, 96%
XYZ	64.3603, 80.5970, 80.5519
YIQ	222.8180, -32.5030, -22.1910

# Conversions

## Conversions Part 2

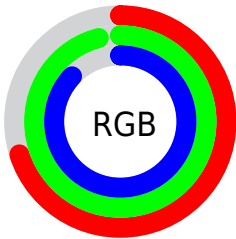
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 220, 246
Decimal	11728605
CIELab	91.95, -26.24, 5.24
CIELCh	92, 26.762, 168.710
Yxy	80.5970, 0.2854, 0.3574
Android (android.graphics.Color)	4289918685 (0xFFB2F6DD)
YUV	222.8180, -0.8963, -39.3054
Hunter-Lab	89.7758, -29.1410, 9.6448

# Details

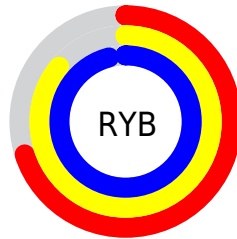
The Yxy color **80.5970, 0.2854, 0.3574** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.7406, 0.3511, 0.3024**, and the grayscale version is **73.6776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **43.3593, 0.2787, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **77.4773, 0.2769, 0.3696**, and if you desaturate by 10%, it is **84.2712, 0.2948, 0.3462**.

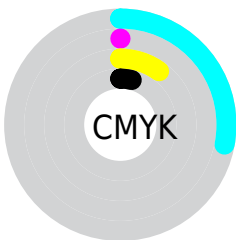
# Distribution



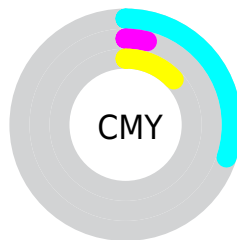
- Red (70%)
- Green (96%)
- Blue (87%)



- Red (70%)
- Yellow (86%)
- Blue (96%)



- Cyan (28%)
- Magenta (0%)
- Yellow (10%)
- Black (4%)




- Cyan (30%)
- Magenta (4%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5970, 0.2854, 0.3574 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 80.5970, 0.2854, 0.3574 by changing the saturation by 10% instead.




 80.5970, 0.2854,  
0.3574

 80.5970, 0.2854,  
0.3574

496.9425, 0.2979,  
0.3442

 60.2097, 0.2826,  
0.3604


 134.2048, 0.2897,  
0.3528

 43.5877, 0.2791,  
0.3641


168.1941, 0.2914,  
0.3511

 30.3465, 0.2747,  
0.3689


207.4861, 0.2929,  
0.3495

 20.1018, 0.2690,  
0.3750

252.4654, 0.2941,  
0.3482

 12.4690, 0.2613,  
0.3835

303.5163, 0.2953,  
0.3470

 7.0640, 0.2503,  
0.3957

361.0232, 0.2962,

 3.5021, 0.2334,

0.3460

0.4149

425.3705, 0.2971,  
0.3451

1.3992, 0.1994,  
0.4521

0.2161, 0.0000,  
1.0000

80.5970, 0.2854,  
0.3574

80.5970, 0.2854,  
0.3574

77.4773, 0.2769,  
0.3696

84.2712, 0.2948,  
0.3462

74.8738, 0.2695,  
0.3826

88.5160, 0.3048,  
0.3361

72.7588, 0.2637,  
0.3963

93.3594, 0.3152,  
0.3270

71.0982, 0.2596,  
0.4105

94.3986, 0.3131,  
0.3204

■ 69.8530, 0.2576,  
0.4250

■ 68.9774, 0.2576,  
0.4394

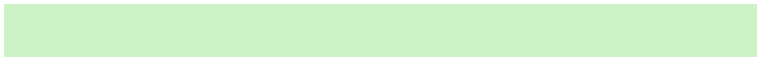
■ 68.4106, 0.2596,  
0.4534

■ 68.3010, 0.2602,  
0.4567

# Harmonies

## Analogous

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



80.5970, 0.3154, 0.3788



80.5970, 0.2854, 0.3574



80.5970, 0.2634, 0.3279

# Triad

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



80.5970, 0.2854, 0.3574



80.5970, 0.2788, 0.2777



80.5970, 0.3748, 0.3527

# Complementary

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



80.5970, 0.2854, 0.3574



55.7406, 0.3511, 0.3024

# 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.



80.5970, 0.3643, 0.3269



80.5970, 0.2854, 0.3574



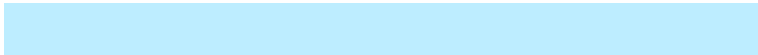
80.5970, 0.3076, 0.2850

# Square

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



80.5970, 0.2854, 0.3574



80.5970, 0.2598, 0.2828



80.5970, 0.3392, 0.3027

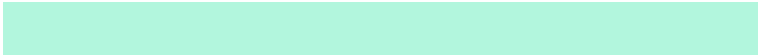


80.5970, 0.3677, 0.3741

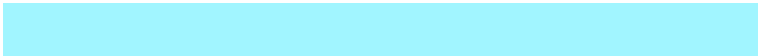


# Rectangle

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



80.5970, 0.2854, 0.3574



80.5970, 0.2558, 0.3088



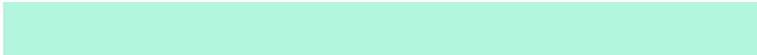
80.5970, 0.3392, 0.3027



80.5970, 0.3732, 0.3442

# Sweetspot

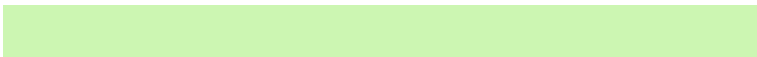
The Sweet Spot groups the original color and five complimentary colors.



80.6003, 0.2854, 0.3574



95.8600, 0.3045, 0.3364



81.9778, 0.3257, 0.4051



20.3614, 0.3029, 0.3379



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

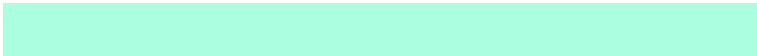


# Same Dimension

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



80.6003, 0.2854, 0.3574



85.5446, 0.2806, 0.3639



77.3097, 0.2715, 0.3200



18.6483, 0.3030, 0.3379



36.4805, 0.2595, 0.4544



3.2261, 0.2547, 0.4368



# Inverse Universe

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



55.7406, 0.3511, 0.3024



54.5849, 0.3613, 0.2970



57.8915, 0.3710, 0.3377



16.5834, 0.3236, 0.3203



10.8815, 0.5508, 0.2808

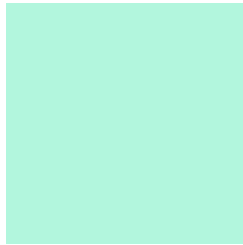


0.9755, 0.5165, 0.2619



# Previews

## White Background



This preview shows how the Yxy color 80.5970, 0.2854, 0.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

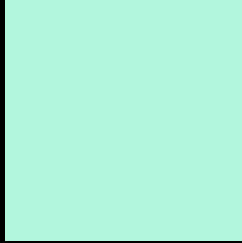
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.5970, 0.2854, 0.3574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

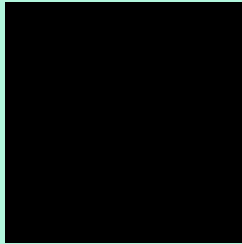
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

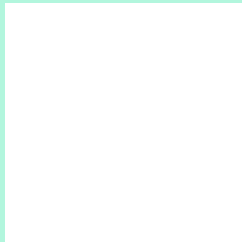
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.5970, 0.2854, 0.3574**

## Background



This preview shows how black text looks on a background with the Yxy color 80.5970, 0.2854, 0.3574.

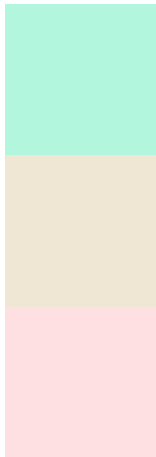


This preview shows how white text looks on a background with the Yxy color 80.5970, 0.2854, 0.3574.

# 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

80.5970, 0.2854, 0.3574

### Protanopia

79.8724, 0.3314, 0.3478

### Deuteranopia

80.0623, 0.3334, 0.3271



## Tritanopia

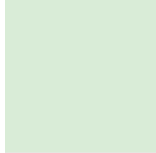
80.5551, 0.2764, 0.3118

# Trichromacy



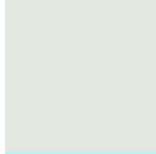
## Original Color

80.5970, 0.2854, 0.3574



## Protanomaly

79.6489, 0.3130, 0.3517



## Deuteranomaly

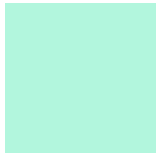
79.4259, 0.3144, 0.3375



## Tritanomaly

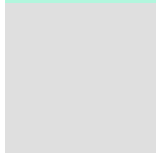
80.7941, 0.2796, 0.3278

# Monochromacy



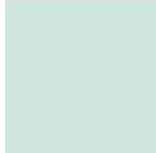
## Original Color

80.5970, 0.2854, 0.3574



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.6912, 0.3022, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.5970, 0.2854, 0.3574 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, 246, 221)` looks like.

```
.text, #text, p{  
    color:rgb(178, 246, 221)  
}
```

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, 246, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 246, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 80.5970, 0.2854, 0.3574 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, 246, 221) }
```

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

```
.border{ border-color:rgb(178, 246, 221) }
```

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

Here you see how a box with a 4 pixel rgb(178, 246, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 246, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 246, 221);  
box-shadow:4px 4px 4px 4px rgb(178, 246,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.5970, 0.2854, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 246, 221) }
```

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

```
.background{ background-color: rgb(178,  
246, 221) }
```

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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