

# Converting Colors

Yxy(81.7962, 0.2893, 0.3653)

Have a look what the booklet for  
Yxy(81.7962, 0.2893, 0.3653)  
contains.

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# Color

**Yxy(81.7960, 0.2893, 0.3653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4F8D8
RGB	180, 248, 216
RGB Percent	71%, 97%, 85%
CMY	0.2942, 0.0274, 0.1529
CMYK	0.27, 0.00, 0.13, 0.03
HSL	152°, 83%, 84%
HSV	152°, 27%, 97%
XYZ	64.7785, 81.7960, 77.3401
YIQ	224.0200, -30.2560, -24.3680

# Conversions

## Conversions Part 2

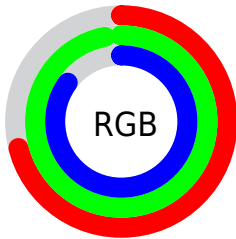
Format	Color
<b>RYB</b>	180, 224, 248
Decimal	11860184
CIELab	92.48, -27.59, 8.59
CIELCh	92, 28.899, 162.698
Yxy	81.7960, 0.2893, 0.3653
Android (android.graphics.Color)	4290050264 (0xFFB4F8D8)
YUV	224.0200, -3.9539, -38.6055
Hunter-Lab	90.4411, -30.4213, 12.6074

# Details

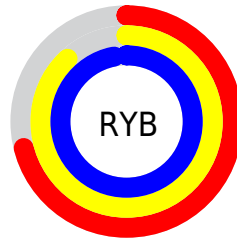
The Yxy color **81.7960, 0.2893, 0.3653** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.3402, 0.3448, 0.2955**, and the grayscale version is **74.5986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **44.1948, 0.2836, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **78.5028, 0.2819, 0.3811**, and if you desaturate by 10%, it is **85.6713, 0.2975, 0.3509**.

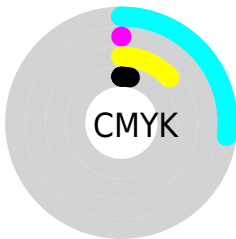
# Distribution



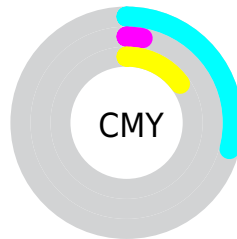
- Red (71%)
- Green (97%)
- Blue (85%)



- Red (71%)
- Yellow (88%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)




- Cyan (29%)
- Magenta (3%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7960, 0.2893, 0.3653 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 81.7960, 0.2893, 0.3653 by changing the saturation by 10% instead.



 81.7960, 0.2893,  
0.3653

 81.7960, 0.2893,  
0.3653

500.9651, 0.3001,  
0.3484

 61.1974, 0.2868,  
0.3692

 135.8879, 0.2931,  
0.3594

 44.3845, 0.2838,  
0.3740


170.1500, 0.2945,  
0.3571

 30.9729, 0.2799,  
0.3801


209.7353, 0.2958,  
0.3552

 20.5782, 0.2749,  
0.3882

255.0283, 0.2969,  
0.3535

 12.8160, 0.2680,  
0.3992

306.4134, 0.2978,  
0.3520

 7.3020, 0.2581,  
0.4153

364.2750, 0.2987,

 3.6517, 0.2427,

0.3506

0.4407

428.9974, 0.2994,  
0.3495

■ 1.4807, 0.2116,  
0.4895

■ 0.2751, 0.0000,  
1.0000

■ 81.7960, 0.2893,  
0.3653

■ 81.7960, 0.2893,  
0.3653

■ 78.5028, 0.2819,  
0.3811

■ 85.6713, 0.2975,  
0.3509

■ 75.7522, 0.2755,  
0.3981

■ 90.1458, 0.3061,  
0.3378

■ 73.5158, 0.2705,  
0.4160

■ 95.2481, 0.3150,  
0.3261

■ 71.7580, 0.2673,  
0.4346

■ 95.6220, 0.3130,  
0.3223

■ 70.4389, 0.2660,  
0.4533

■ 69.5112, 0.2669,  
0.4716

■ 68.9136, 0.2696,  
0.4892

■ 68.7900, 0.2704,  
0.4936

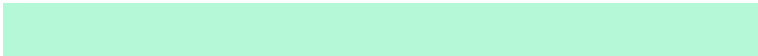
# Harmonies

## Analogous

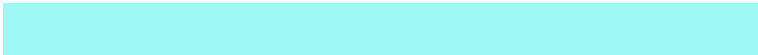
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7960, 0.3222, 0.3855



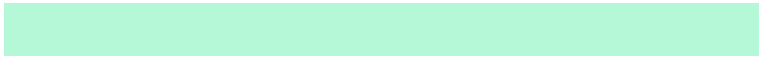
81.7960, 0.2893, 0.3653



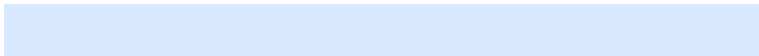
81.7960, 0.2636, 0.3342

# Triad

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



81.7960, 0.2893, 0.3653



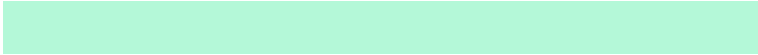
81.7960, 0.2712, 0.2741



81.7960, 0.3788, 0.3488

# Complementary

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



81.7960, 0.2893, 0.3653



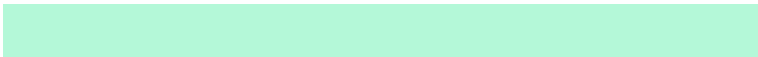
57.3402, 0.3448, 0.2955

# 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.



81.7960, 0.3638, 0.3211



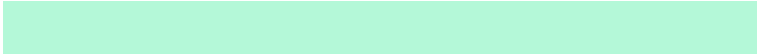
81.7960, 0.2893, 0.3653



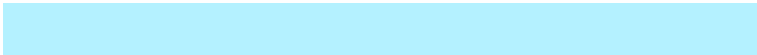
81.7960, 0.3004, 0.2794

# Square

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



81.7960, 0.2893, 0.3653



81.7960, 0.2537, 0.2821



81.7960, 0.3345, 0.2963

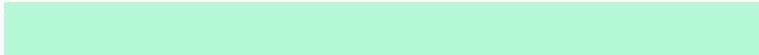


81.7960, 0.3748, 0.3734



# Rectangle

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



81.7960, 0.2893, 0.3653



81.7960, 0.2535, 0.3130



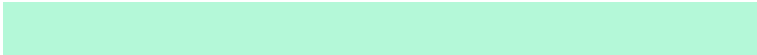
81.7960, 0.3345, 0.2963



81.7960, 0.3758, 0.3396

# Sweetspot

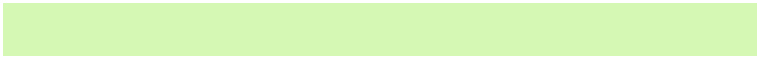
The Sweet Spot groups the original color and five complimentary colors.



81.7994, 0.2893, 0.3653



95.7314, 0.3056, 0.3385



84.5605, 0.3302, 0.4034



20.3290, 0.3043, 0.3404



0.0000, 0.0000, 0.0000

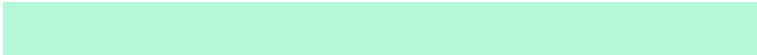


21.4041, 0.3127, 0.3290

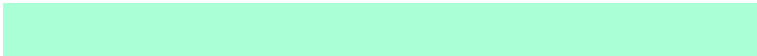


# Same Dimension

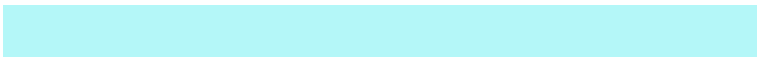
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7994, 0.2893, 0.3653



85.0887, 0.2850, 0.3740



82.9241, 0.2726, 0.3276



19.4629, 0.3043, 0.3404



37.1850, 0.2697, 0.4909



3.4654, 0.2639, 0.4700



# Inverse Universe

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



57.3402, 0.3448, 0.2955



55.0041, 0.3536, 0.2883



56.3415, 0.3723, 0.3304



17.3612, 0.3220, 0.3179



11.4979, 0.5088, 0.2576

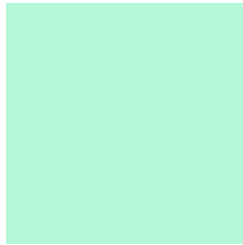


1.0861, 0.4805, 0.2421



# Previews

## White Background



This preview shows how the Yxy color 81.7960, 0.2893, 0.3653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

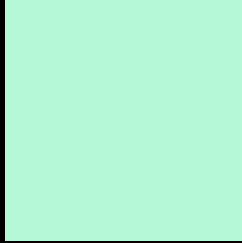
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7960, 0.2893, 0.3653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

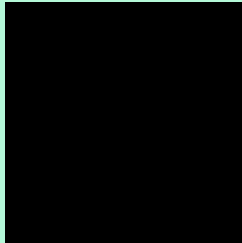
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

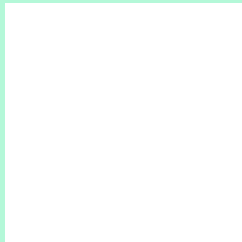
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.7960, 0.2893, 0.3653**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7960, 0.2893, 0.3653.

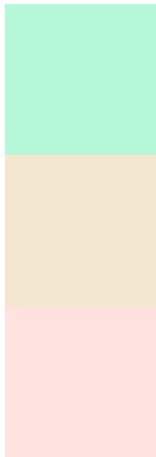


This preview shows how white text looks on a background with the Yxy color 81.7960, 0.2893, 0.3653.

# 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

81.7960, 0.2893, 0.3653

### Protanopia

81.2729, 0.3366, 0.3549

### Deuteranopia

80.9804, 0.3352, 0.3321



## Tritanopia

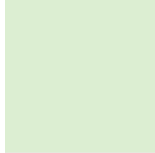
81.8195, 0.2794, 0.3130

# Trichromacy



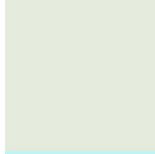
## Original Color

81.7960, 0.2893, 0.3653



## Protanomaly

81.0179, 0.3180, 0.3592



## Deuteranomaly

80.5069, 0.3174, 0.3438



## Tritanomaly

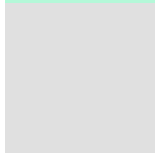
81.7895, 0.2830, 0.3311

# Monochromacy



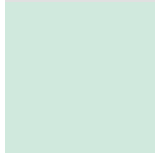
## Original Color

81.7960, 0.2893, 0.3653



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

76.9082, 0.3034, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7960, 0.2893, 0.3653 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(180, 248, 216)` looks like.

```
.text, #text, p{  
    color:rgb(180, 248, 216)  
}
```

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(180, 248, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 248, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7960, 0.2893, 0.3653 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(180, 248, 216) }
```

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

```
.border{ border-color:rgb(180, 248, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 248, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 248, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 248, 216);  
box-shadow:4px 4px 4px 4px rgb(180, 248,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7960, 0.2893, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 248, 216) }
```

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

```
.background{ background-color: rgb(180,  
248, 216) }
```

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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