

# Converting Colors

$Yxy(81.3985, 0.2866, 0.4022)$

Have a look what the booklet for  
Yxy(81.3985, 0.2866, 0.4022)  
contains.

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# Color

**Yxy(81.4093, 0.2865, 0.4020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FEC1
RGB	152, 254, 193
RGB Percent	60%, 100%, 76%
CMY	0.4037, 0.0039, 0.2433
CMYK	0.40, 0.00, 0.24, 0.00
HSL	144°, 98%, 80%
HSV	144°, 40%, 100%
XYZ	58.0193, 81.4093, 63.0821
YIQ	216.5480, -41.2110, -40.5950

# Conversions

## Conversions Part 2

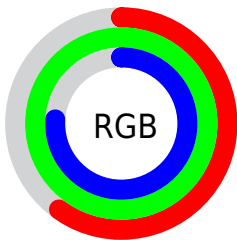
Format	Color
<a href="#">RYB</a>	<a href="#">152, 225, 254</a>
Decimal	<a href="#">10026689</a>
CIELab	<a href="#">92.31, -42.72, 20.02</a>
CIELCh	<a href="#">92, 47.181, 154.894</a>
Yxy	<a href="#">81.4093, 0.2865, 0.4020</a>
Android (android.graphics.Color)	<a href="#">4288216769 (0xFF98FEC1)</a>
YUV	<a href="#">216.5480, -11.6092, -56.6086</a>
Hunter-Lab	<a href="#">90.2271, -43.1154, 21.7065</a>

# Details

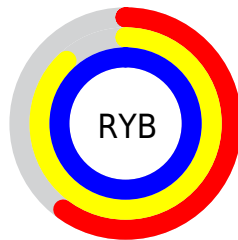
The Yxy color **81.4093, 0.2865, 0.4020** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.3530, 0.3534, 0.2665**, and the grayscale version is **69.1719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1238, 0.2886, 0.3341**, and **44.2295, 0.2795, 0.4213** is the 20% darker color. If you saturate the color by 10%, you get **78.5735, 0.2817, 0.4244**, and if you desaturate by 10%, it is **84.8464, 0.2923, 0.3811**.

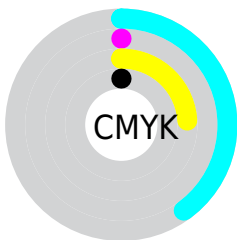
# Distribution



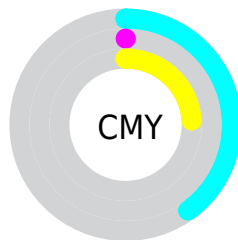
- Red (60%)
- Green (100%)
- Blue (76%)



- Red (60%)
- Yellow (88%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4093, 0.2865, 0.4020 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 81.4093, 0.2865, 0.4020 by changing the saturation by 10% instead.




 81.4093, 0.2865,  
0.4020

 81.4093, 0.2865,  
0.4020

499.6697, 0.2992,  
0.3672

 60.8788, 0.2834,  
0.4102


 135.3453, 0.2910,  
0.3897

 44.1273, 0.2796,  
0.4205


 169.5196, 0.2928,  
0.3850

 30.7706, 0.2746,  
0.4336


209.0106, 0.2942,  
0.3810

 20.4242, 0.2679,  
0.4512


254.2026, 0.2955,  
0.3775

 12.7038, 0.2585,  
0.4755

305.4802, 0.2966,  
0.3744

 7.2249, 0.2442,  
0.5116


363.2276, 0.2976,


 3.6031, 0.2205,


0.3717


0.5695


427.8293, 0.2985,  
0.3693


 1.4541, 0.1411,  
0.8116


 0.2561, 0.0000,  
1.0000


 81.4093, 0.2865,  
0.4020


 81.4093, 0.2865,  
0.4020


 78.5735, 0.2817,  
0.4244


 84.8464, 0.2923,  
0.3811


 76.2931, 0.2783,  
0.4478

 88.9075, 0.2988,  
0.3619

 74.5314, 0.2765,  
0.4715

 93.6264, 0.3056,  
0.3446

 73.2429, 0.2766,  
0.4947

 99.0315, 0.3126,  
0.3292

■ 72.3736, 0.2787,  
0.5164

99.3639, 0.3128,  
0.3281

■ 71.8415, 0.2822,  
0.5357

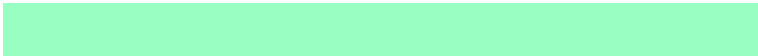
# Harmonies

## Analogous

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



81.4093, 0.3401, 0.4278



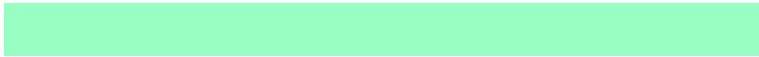
81.4093, 0.2865, 0.4020



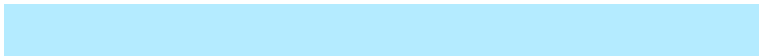
81.4093, 0.2424, 0.3506

# Triad

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



81.4093, 0.2865, 0.4020



81.4093, 0.2373, 0.2433



81.4093, 0.4178, 0.3462

# Complementary

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



81.4093, 0.2865, 0.4020



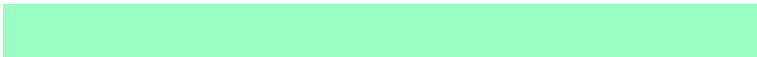
48.3530, 0.3534, 0.2665

# 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.



81.4093, 0.3856, 0.3042



81.4093, 0.2865, 0.4020



81.4093, 0.2784, 0.2475

# Square

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



81.4093, 0.2865, 0.4020



81.4093, 0.2163, 0.2595



81.4093, 0.3328, 0.2693

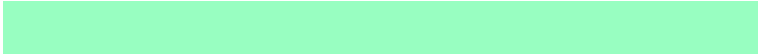


81.4093, 0.4183, 0.3880



# Rectangle

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



81.4093, 0.2865, 0.4020



81.4093, 0.2235, 0.3138



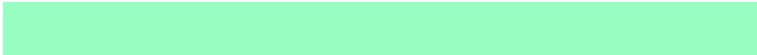
81.4093, 0.3328, 0.2693



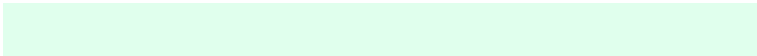
81.4093, 0.4103, 0.3318

# Sweetspot

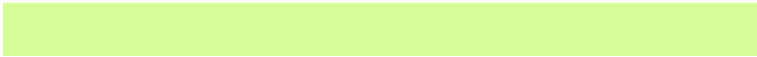
The Sweet Spot groups the original color and five complimentary colors.



81.4126, 0.2865, 0.4020



93.5269, 0.3043, 0.3477



87.3317, 0.3450, 0.4390



19.8808, 0.3034, 0.3499



0.0000, 0.0000, 0.0000

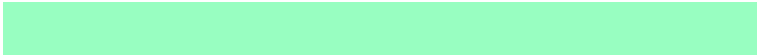


21.4041, 0.3127, 0.3290

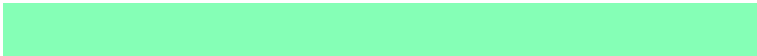


# Same Dimension

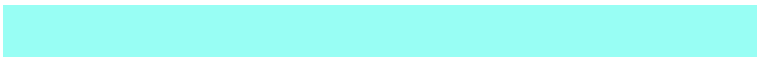
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4126, 0.2865, 0.4020



79.8396, 0.2826, 0.4195



84.0841, 0.2619, 0.3404



20.2889, 0.3061, 0.3436



37.9029, 0.2813, 0.5327



3.7114, 0.2750, 0.5101



# Inverse Universe

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



48.3530, 0.3534, 0.2665



42.3765, 0.3648, 0.2547



46.1615, 0.4047, 0.3185



18.1697, 0.3200, 0.3149



12.3354, 0.4549, 0.2280

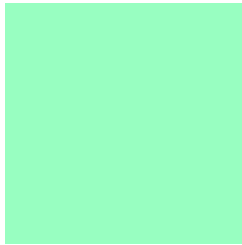


1.2227, 0.4354, 0.2172



# Previews

## White Background



This preview shows how the Yxy color 81.4093, 0.2865, 0.4020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

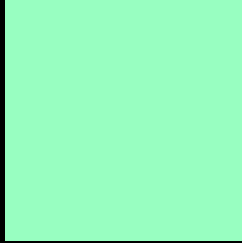
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4093, 0.2865, 0.4020 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 81.4093, 0.2865, 0.4020**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4093, 0.2865, 0.4020.

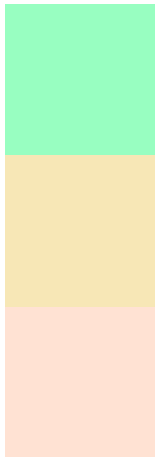


This preview shows how white text looks on a background with the Yxy color 81.4093, 0.2865, 0.4020.

# 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

81.4093, 0.2865, 0.4020

### Protanopia

80.3034, 0.3565, 0.3797

### Deuteranopia

80.3559, 0.3435, 0.3442



## Tritanopia

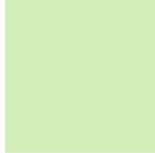
81.0777, 0.2738, 0.3138

# Trichromacy



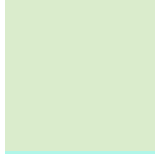
## Original Color

81.4093, 0.2865, 0.4020



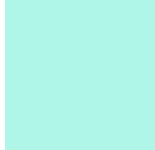
## Protanomaly

79.2752, 0.3272, 0.3879



## Deuteranomaly

79.2560, 0.3205, 0.3639



## Tritanomaly

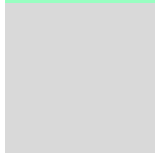
80.9678, 0.2785, 0.3447

# Monochromacy



## Original Color

81.4093, 0.2865, 0.4020



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

72.4852, 0.3015, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4093, 0.2865, 0.4020 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(152, 254, 193)` looks like.

```
.text, #text, p{  
    color:rgb(152, 254, 193)  
}
```

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(152, 254, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 254, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4093, 0.2865, 0.4020 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(152, 254, 193) }
```

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

```
.border{ border-color:rgb(152, 254, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 254, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 254, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 254, 193);  
box-shadow:4px 4px 4px 4px rgb(152, 254,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4093, 0.2865, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 254, 193) }
```

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

```
.background{ background-color: rgb(152,  
254, 193) }
```

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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