

# Converting Colors

$Yxy(81.7047, 0.2802, 0.3958)$

Have a look what the booklet for  
Yxy(81.7047, 0.2802, 0.3958)  
contains.

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# Color

**Yxy(81.6633, 0.2801, 0.3961)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	91FFC7
RGB	145, 255, 199
RGB Percent	57%, 100%, 78%
CMY	0.4313, 0.0000, 0.2196
CMYK	0.43, 0.00, 0.22, 0.00
HSL	149°, 100%, 78%
HSV	149°, 43%, 100%
XYZ	57.7478, 81.6633, 66.7573
YIQ	215.7260, -47.5840, -40.7360

# Conversions

## Conversions Part 2

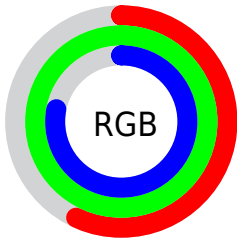
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 219, 255
Decimal	9568199
CIELab	92.43, -43.87, 17.04
CIElCh	92, 47.062, 158.779
Yxy	81.6633, 0.2801, 0.3961
Android (android.graphics.Color)	4287758279 (0xFF91FFC7)
YUV	215.7260, -8.2459, -62.0267
Hunter-Lab	90.3677, -44.0766, 19.4581

# Details

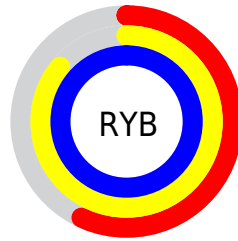
The Yxy color **81.6633, 0.2801, 0.3961** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.7310, 0.3675, 0.2715**, and the grayscale version is **68.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **44.4587, 0.2719, 0.4135** is the 20% darker color. If you saturate the color by 10%, you get **79.0246, 0.2749, 0.4153**, and if you desaturate by 10%, it is **84.8761, 0.2866, 0.3781**.

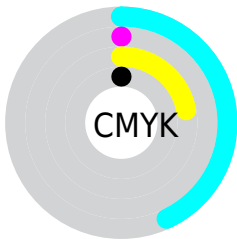
# Distribution



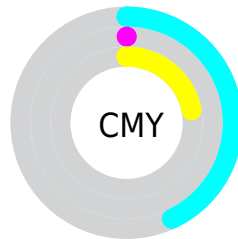
- Red (57%)
- Green (100%)
- Blue (78%)



- Red (57%)
- Yellow (86%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6633, 0.2801, 0.3961 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 81.6633, 0.2801, 0.3961 by changing the saturation by 10% instead.



 81.6633, 0.2801,  
0.3961

 81.6633, 0.2801,  
0.3961


500.5207, 0.2956,  
0.3642

 61.0880, 0.2765,  
0.4036


 135.7017, 0.2855,  
0.3849

 44.2962, 0.2720,  
0.4129

 169.9337, 0.2876,  
0.3805

 30.9035, 0.2662,  
0.4249


209.4867, 0.2894,  
0.3768

 20.5253, 0.2585,  
0.4409

254.7451, 0.2910,  
0.3736

 12.7775, 0.2478,  
0.4630

306.0933, 0.2924,  
0.3708

 7.2755, 0.2321,  
0.4957

363.9157, 0.2936,

 3.6350, 0.2070,

0.3684

0.5483

428.5967, 0.2946,  
0.3662

■ 1.4716, 0.1174,  
0.7303

■ 0.2686, 0.0000,  
1.0000

■ 81.6633, 0.2801,  
0.3961

■ 81.6633, 0.2801,  
0.3961

■ 79.0246, 0.2749,  
0.4153

■ 84.8761, 0.2866,  
0.3781

■ 76.9193, 0.2712,  
0.4352

■ 88.6919, 0.2939,  
0.3615

■ 75.3079, 0.2694,  
0.4555

■ 93.1427, 0.3019,  
0.3464

■ 74.1432, 0.2696,  
0.4756

■ 98.2569, 0.3101,  
0.3329

■ 73.3682, 0.2718,  
0.4947

100.0000, 0.3127,  
0.3290

■ 73.0057, 0.2742,  
0.5071

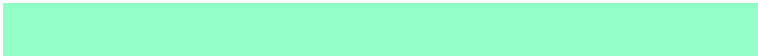
# Harmonies

## Analogous

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



81.6633, 0.3331, 0.4261



81.6633, 0.2801, 0.3961



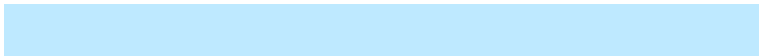
81.6633, 0.2382, 0.3433

# Triad

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



81.6633, 0.2801, 0.3961



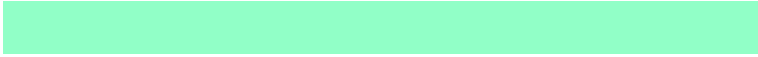
81.6633, 0.2418, 0.2430



81.6633, 0.4194, 0.3517

# Complementary

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



81.6633, 0.2801, 0.3961



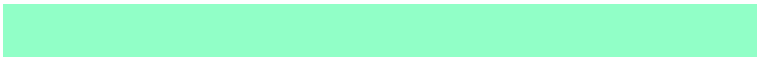
45.7310, 0.3675, 0.2715

# 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.



81.6633, 0.3910, 0.3095



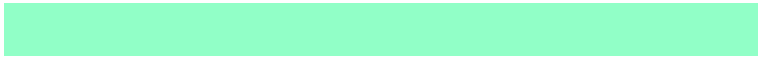
81.6633, 0.2801, 0.3961



81.6633, 0.2851, 0.2496

# Square

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



81.6633, 0.2801, 0.3961



81.6633, 0.2180, 0.2564



81.6633, 0.3400, 0.2733

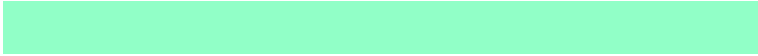


81.6633, 0.4156, 0.3927



# Rectangle

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



81.6633, 0.2801, 0.3961



81.6633, 0.2213, 0.3072



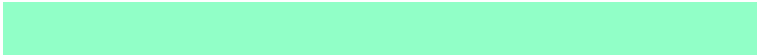
81.6633, 0.3400, 0.2733



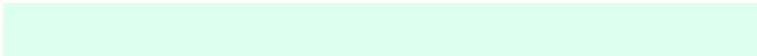
81.6633, 0.4133, 0.3374

# Sweetspot

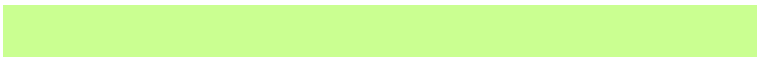
The Sweet Spot groups the original color and five complimentary colors.



81.6647, 0.2801, 0.3961



93.2063, 0.3020, 0.3463



86.0987, 0.3408, 0.4502



19.7273, 0.3002, 0.3494



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.



81.6647, 0.2801, 0.3961



79.2962, 0.2754, 0.4130



84.6432, 0.2549, 0.3309



20.3168, 0.3048, 0.3414



38.1770, 0.2734, 0.5042



3.7392, 0.2675, 0.4831



# Inverse Universe

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



45.7310, 0.3675, 0.2715



38.9908, 0.3844, 0.2605



43.6157, 0.4250, 0.3274



18.1414, 0.3214, 0.3170



11.9785, 0.4926, 0.2487

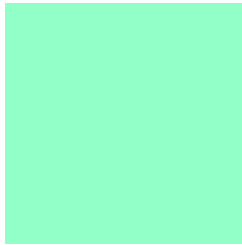


1.1884, 0.4677, 0.2350



# Previews

## White Background



This preview shows how the Yxy color 81.6633, 0.2801, 0.3961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

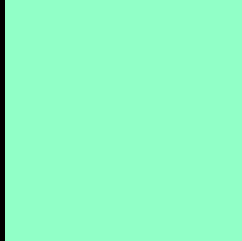
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6633, 0.2801, 0.3961 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

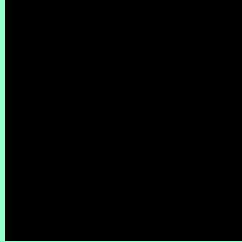
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.6633, 0.2801, 0.3961**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6633, 0.2801, 0.3961.

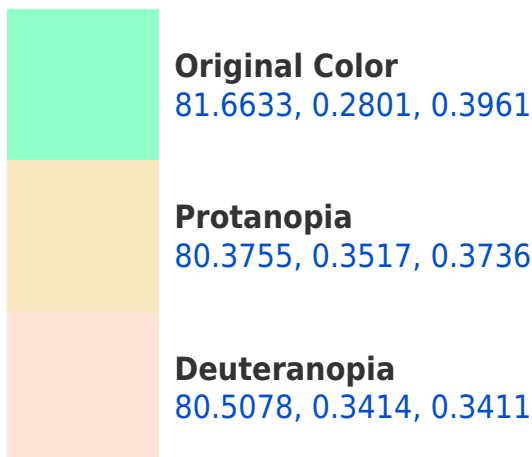


This preview shows how white text looks on a background with the Yxy color 81.6633, 0.2801, 0.3961.

# 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





## Tritanopia

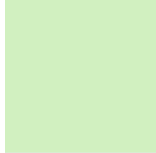
80.9494, 0.2733, 0.3138

# Trichromacy



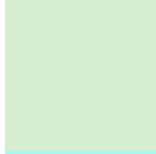
## Original Color

81.6633, 0.2801, 0.3961



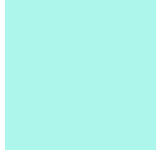
## Protanomaly

79.6813, 0.3214, 0.3824



## Deuteranomaly

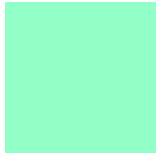
79.6189, 0.3153, 0.3595



## Tritanomaly

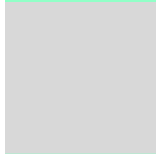
80.7939, 0.2753, 0.3413

# Monochromacy



## Original Color

81.6633, 0.2801, 0.3961



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.1939, 0.2983, 0.3521

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6633, 0.2801, 0.3961 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(145, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 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(145, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6633, 0.2801, 0.3961 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(145, 255, 199) }
```

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

```
.border{ border-color:rgb(145, 255, 199) }
```

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

Here you see how a box with a 4 pixel rgb(145, 255, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6633, 0.2801, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 199) }
```

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

```
.background{ background-color: rgb(145,  
255, 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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