

# Converting Colors

$Yxy(81.1823, 0.2785, 0.3981)$

Have a look what the booklet for  
Yxy(81.1823, 0.2785, 0.3981)  
contains.

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# Color

**Yxy(81.1727, 0.2782, 0.3978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CFFC6
RGB	140, 255, 198
RGB Percent	55%, 100%, 78%
CMY	0.4510, 0.0000, 0.2234
CMYK	0.45, 0.00, 0.22, 0.00
HSL	150°, 100%, 77%
HSV	150°, 45%, 100%
XYZ	56.7678, 81.1727, 66.1135
YIQ	214.1170, -50.2430, -42.1070

# Conversions

## Conversions Part 2

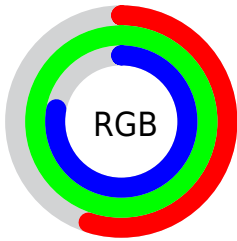
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">140, 216, 255</a>
Decimal	<a href="#">9240518</a>
CIELab	<a href="#">92.21, -45.34, 17.21</a>
CIELCh	<a href="#">92, 48.498, 159.218</a>
Yxy	<a href="#">81.1727, 0.2782, 0.3978</a>
Android (android.graphics.Color)	<a href="#">4287430598 (0xFF8CFFC6)</a>
YUV	<a href="#">214.1170, -7.9457, -65.0006</a>
Hunter-Lab	<a href="#">90.0959, -45.1981, 19.5594</a>

# Details

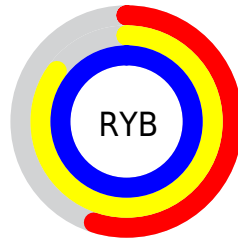
The Yxy color **81.1727, 0.2782, 0.3978** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.0414, 0.3727, 0.2705**, and the grayscale version is **67.4057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **44.1511, 0.2696, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **78.6492, 0.2731, 0.4166**, and if you desaturate by 10%, it is **84.2573, 0.2846, 0.3801**.

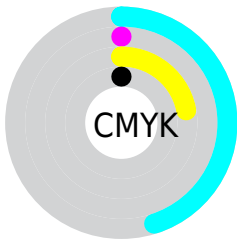
# Distribution



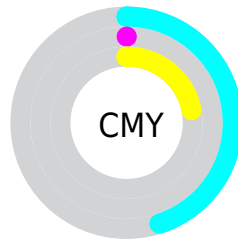
- Red (55%)
- Green (100%)
- Blue (78%)



- Red (55%)
- Yellow (85%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1727, 0.2782, 0.3978 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 81.1727, 0.2782, 0.3978 by changing the saturation by 10% instead.




 81.1727, 0.2782,  
0.3978


 81.1727, 0.2782,  
0.3978

498.8762, 0.2946,  
0.3650

 60.6838, 0.2744,  
0.4055


 135.0132, 0.2840,  
0.3862

 43.9701, 0.2696,  
0.4151


 169.1337, 0.2862,  
0.3818

 30.6470, 0.2634,  
0.4275


208.5668, 0.2881,  
0.3780

 20.3302, 0.2553,  
0.4440

253.6970, 0.2897,  
0.3747

 12.6353, 0.2440,  
0.4669

304.9086, 0.2912,  
0.3718

 7.1779, 0.2274,  
0.5007


362.5861, 0.2924,


 3.5736, 0.2009,


0.3693


0.5553


427.1138, 0.2936,  
0.3670


 1.4380, 0.0943,  
0.7632


 0.2445, 0.0000,  
1.0000


 81.1727, 0.2782,  
0.3978


 81.1727, 0.2782,  
0.3978


 78.6492, 0.2731,  
0.4166


 84.2573, 0.2846,  
0.3801


 76.6508, 0.2697,  
0.4361

 87.9376, 0.2920,  
0.3637

 75.1352, 0.2682,  
0.4559

 92.2444, 0.3000,  
0.3487

 74.0538, 0.2687,  
0.4753

 97.2063, 0.3084,  
0.3353

■ 73.3470, 0.2712,  
0.4938

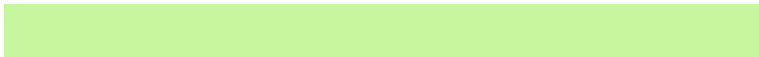
100.0000, 0.3127,  
0.3290

■ 73.0963, 0.2729,  
0.5025

# Harmonies

## Analogous

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



81.1727, 0.3327, 0.4293



81.1727, 0.2782, 0.3978



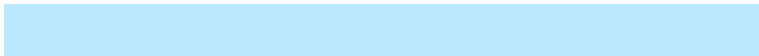
81.1727, 0.2354, 0.3428

# Triad

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



81.1727, 0.2782, 0.3978



81.1727, 0.2401, 0.2404



81.1727, 0.4231, 0.3528

# Complementary

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



81.1727, 0.2782, 0.3978



44.0414, 0.3727, 0.2705

# 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.



81.1727, 0.3942, 0.3093



81.1727, 0.2782, 0.3978



81.1727, 0.2849, 0.2476

# Square

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



81.1727, 0.2782, 0.3978



81.1727, 0.2155, 0.2538



81.1727, 0.3417, 0.2722



81.1727, 0.4185, 0.3950



# Rectangle

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



81.1727, 0.2782, 0.3978



81.1727, 0.2183, 0.3056



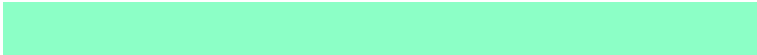
81.1727, 0.3417, 0.2722



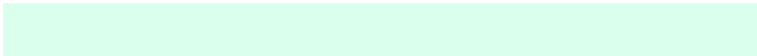
81.1727, 0.4170, 0.3380

# Sweetspot

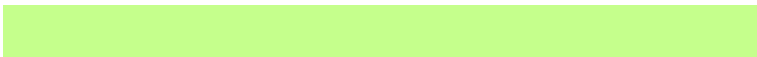
The Sweet Spot groups the original color and five complimentary colors.



81.1724, 0.2782, 0.3978



92.7594, 0.3009, 0.3472



85.3499, 0.3405, 0.4566



19.6404, 0.2991, 0.3502



0.0000, 0.0000, 0.0000

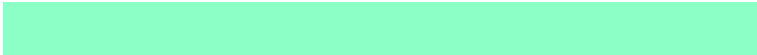


21.4041, 0.3127, 0.3290



# Same Dimension

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



81.1724, 0.2782, 0.3978



78.9013, 0.2736, 0.4145



84.3142, 0.2520, 0.3288



20.3211, 0.3047, 0.3410



38.2246, 0.2721, 0.4996



3.7439, 0.2664, 0.4789



# Inverse Universe

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



44.0414, 0.3727, 0.2705



37.5773, 0.3907, 0.2601



41.9048, 0.4350, 0.3294



18.1371, 0.3216, 0.3173



11.9304, 0.4984, 0.2519

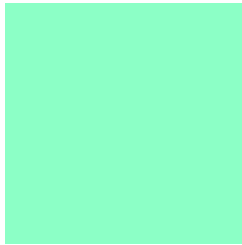


1.1837, 0.4727, 0.2378



# Previews

## White Background



This preview shows how the Yxy color 81.1727, 0.2782, 0.3978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

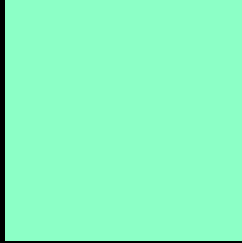
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1727, 0.2782, 0.3978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

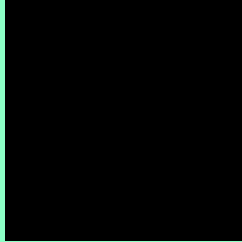
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.1727, 0.2782, 0.3978**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1727, 0.2782, 0.3978.

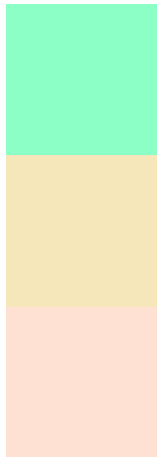


This preview shows how white text looks on a background with the Yxy color 81.1727, 0.2782, 0.3978.

# 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

81.1727, 0.2782, 0.3978

### Protanopia

80.1095, 0.3523, 0.3758

### Deuteranopia

79.8639, 0.3430, 0.3422



## Tritanopia

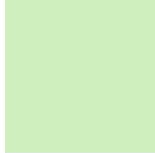
80.4449, 0.2711, 0.3137

# Trichromacy



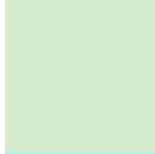
## Original Color

81.1727, 0.2782, 0.3978



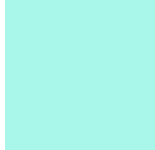
## Protanomaly

79.3033, 0.3213, 0.3849



## Deuteranomaly

78.6420, 0.3152, 0.3609



## Tritanomaly

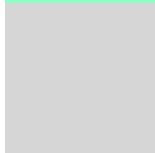
80.2871, 0.2737, 0.3425

# Monochromacy



## Original Color

81.1727, 0.2782, 0.3978



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

71.1575, 0.2975, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1727, 0.2782, 0.3978 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(140, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 198)  
}
```

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(140, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1727, 0.2782, 0.3978 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(140, 255, 198) }
```

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

```
.border{ border-color:rgb(140, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1727, 0.2782, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 198) }
```

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

```
.background{ background-color: rgb(140,  
255, 198) }
```

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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