

# Converting Colors

$Yxy(81.2472, 0.2761, 0.3935)$

Have a look what the booklet for  
Yxy(81.2472, 0.2761, 0.3935)  
contains.

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# Color

**Yxy(81.2260, 0.2763, 0.3941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BFFC9
RGB	139, 255, 201
RGB Percent	55%, 100%, 79%
CMY	0.4550, 0.0000, 0.2118
CMYK	0.45, 0.00, 0.21, 0.00
HSL	152°, 100%, 77%
HSV	152°, 45%, 100%
XYZ	56.9468, 81.2260, 67.9322
YIQ	214.1600, -51.8020, -41.3860

# Conversions

## Conversions Part 2

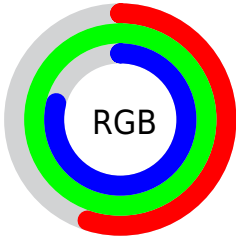
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 215, 255
Decimal	9174985
CIELab	92.23, -45.00, 15.71
CIELCh	92, 47.666, 160.756
Yxy	81.2260, 0.2763, 0.3941
Android (android.graphics.Color)	4287365065 (0xFF8BFFC9)
YUV	214.1600, -6.4879, -65.9153
Hunter-Lab	90.1255, -44.9323, 18.3979

# Details

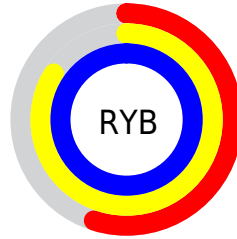
The Yxy color **81.2260, 0.2763, 0.3941** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.5690, 0.3771, 0.2734**, and the grayscale version is **67.4241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **44.2002, 0.2674, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **78.7423, 0.2710, 0.4117**, and if you desaturate by 10%, it is **84.2610, 0.2830, 0.3775**.

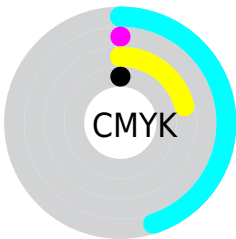
# Distribution



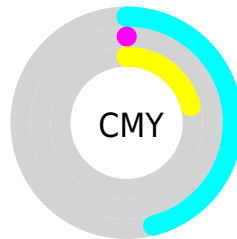
- Red (55%)
- Green (100%)
- Blue (79%)



- Red (55%)
- Yellow (84%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2260, 0.2763, 0.3941 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 81.2260, 0.2763, 0.3941 by changing the saturation by 10% instead.





 81.2260, 0.2763,  
0.3941


 81.2260, 0.2763,  
0.3941


499.0550, 0.2935,  
0.3632

 60.7277, 0.2723,  
0.4014


 135.0881, 0.2823,  
0.3832

 44.0055, 0.2674,  
0.4104


 169.2207, 0.2846,  
0.3790

 30.6748, 0.2610,  
0.4220


208.6668, 0.2866,  
0.3754

 20.3514, 0.2527,  
0.4375

253.8109, 0.2884,  
0.3723

 12.6507, 0.2411,  
0.4589

305.0374, 0.2899,  
0.3696

 7.1885, 0.2243,  
0.4906

362.7307, 0.2912,


 3.5802, 0.1977,


0.3672


0.5416

427.2751, 0.2924,  
0.3651


 1.4416, 0.0940,  
0.7186


 0.2471, 0.0000,  
1.0000


 81.2260, 0.2763,  
0.3941


 81.2260, 0.2763,  
0.3941


 78.7423, 0.2710,  
0.4117


 84.2610, 0.2830,  
0.3775


 76.7784, 0.2674,  
0.4300

 87.8864, 0.2906,  
0.3621

 75.2906, 0.2657,  
0.4485

 92.1312, 0.2990,  
0.3480

 74.2301, 0.2661,  
0.4668

 97.0241, 0.3078,  
0.3354

■ 73.5370, 0.2685,  
0.4844

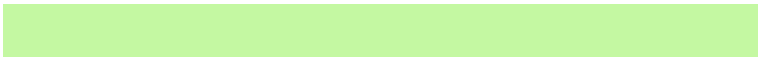
100.0000, 0.3127,  
0.3290

■ 73.3063, 0.2700,  
0.4921

# Harmonies

## Analogous

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



81.2260, 0.3297, 0.4266



81.2260, 0.2763, 0.3941



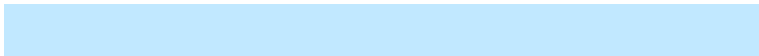
81.2260, 0.2351, 0.3397

# Triad

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



81.2260, 0.2763, 0.3941



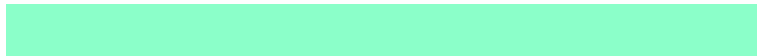
81.2260, 0.2431, 0.2417



81.2260, 0.4217, 0.3548

# Complementary

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



81.2260, 0.2763, 0.3941



43.5690, 0.3771, 0.2734

# 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.



81.2260, 0.3949, 0.3118



81.2260, 0.2763, 0.3941



81.2260, 0.2881, 0.2497

# Square

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



81.2260, 0.2763, 0.3941



81.2260, 0.2177, 0.2538



81.2260, 0.3442, 0.2747

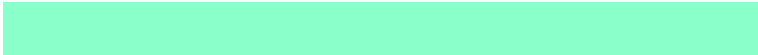


81.2260, 0.4157, 0.3960



# Rectangle

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



81.2260, 0.2763, 0.3941



81.2260, 0.2189, 0.3035



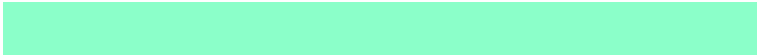
81.2260, 0.3442, 0.2747



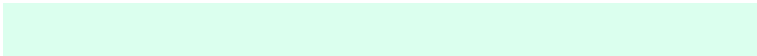
81.2260, 0.4163, 0.3403

# Sweetspot

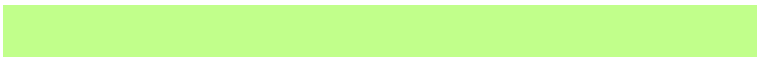
The Sweet Spot groups the original color and five complimentary colors.



81.2242, 0.2763, 0.3941



92.8222, 0.3003, 0.3461



84.7371, 0.3381, 0.4589



19.6557, 0.2984, 0.3489



0.0000, 0.0000, 0.0000

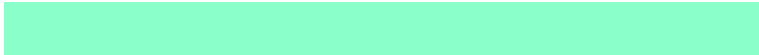


21.4041, 0.3127, 0.3290



# Same Dimension

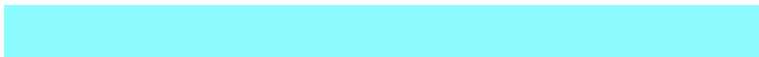
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2242, 0.2763, 0.3941



78.8534, 0.2712, 0.4108



81.7845, 0.2508, 0.3244



20.3305, 0.3042, 0.3403



38.3346, 0.2692, 0.4893



3.7546, 0.2638, 0.4695



# Inverse Universe

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



43.5690, 0.3771, 0.2734



36.7611, 0.3979, 0.2631



42.7227, 0.4346, 0.3334



18.1278, 0.3221, 0.3180



11.8304, 0.5111, 0.2589

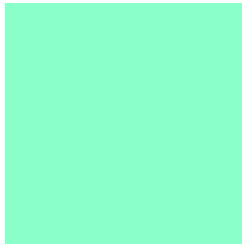


1.1737, 0.4838, 0.2439



# Previews

## White Background



This preview shows how the Yxy color 81.2260, 0.2763, 0.3941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

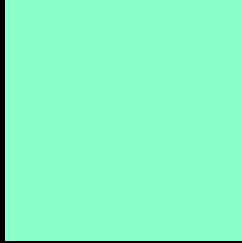
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2260, 0.2763, 0.3941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

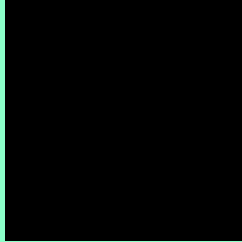
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.2260, 0.2763, 0.3941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2260, 0.2763, 0.3941.

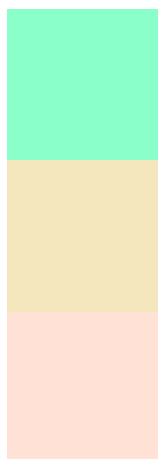


This preview shows how white text looks on a background with the Yxy color 81.2260, 0.2763, 0.3941.

# 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

81.2260, 0.2763, 0.3941

### Protanopia

80.2384, 0.3503, 0.3727

### Deuteranopia

79.9655, 0.3416, 0.3401



## Tritanopia

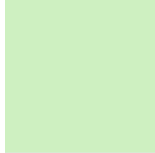
80.4449, 0.2711, 0.3137

# Trichromacy



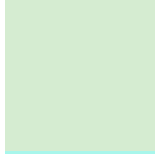
## Original Color

81.2260, 0.2763, 0.3941



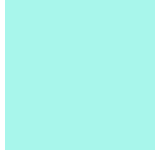
## Protanomaly

79.2922, 0.3188, 0.3816



## Deuteranomaly

78.7405, 0.3140, 0.3586



## Tritanomaly

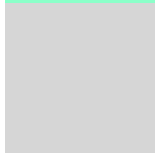
80.2345, 0.2727, 0.3414

# Monochromacy



## Original Color

81.2260, 0.2763, 0.3941



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

71.2069, 0.2969, 0.3523

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2260, 0.2763, 0.3941 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(139, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 201)  
}
```

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(139, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2260, 0.2763, 0.3941 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(139, 255, 201) }
```

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

```
.border{ border-color:rgb(139, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2260, 0.2763, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 201) }
```

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

```
.background{ background-color: rgb(139,  
255, 201) }
```

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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