

# Converting Colors

$Yxy(81.3515, 0.2722, 0.3860)$

Have a look what the booklet for  
Yxy(81.3515, 0.2722, 0.3860)  
contains.

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# Color

**Yxy(81.3924, 0.2721, 0.3854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FFD0
RGB	137, 255, 208
RGB Percent	54%, 100%, 82%
CMY	0.4625, 0.0000, 0.1844
CMYK	0.46, 0.00, 0.18, 0.00
HSL	156°, 100%, 77%
HSV	156°, 46%, 100%
XYZ	57.4646, 81.3924, 72.3324
YIQ	214.3600, -55.2410, -39.6330

# Conversions

## Conversions Part 2

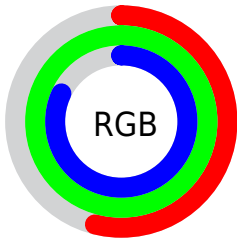
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 211, 255</a>
Decimal	<a href="#">9043920</a>
CIELab	<a href="#">92.31, -44.05, 12.22</a>
CIELCh	<a href="#">92, 45.712, 164.489</a>
Yxy	<a href="#">81.3924, 0.2721, 0.3854</a>
Android (android.graphics.Color)	<a href="#">4287234000 (0xFF89FFD0)</a>
YUV	<a href="#">214.3600, -3.1355, -67.8447</a>
Hunter-Lab	<a href="#">90.2177, -44.1846, 15.6165</a>

# Details

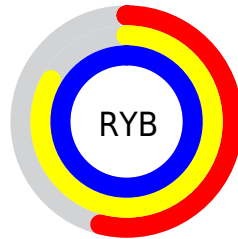
The Yxy color **81.3924, 0.2721, 0.3854** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.6322, 0.3872, 0.2805**, and the grayscale version is **67.5585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **44.2990, 0.2621, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **79.0036, 0.2663, 0.4003**, and if you desaturate by 10%, it is **84.3289, 0.2793, 0.3713**.

# Distribution



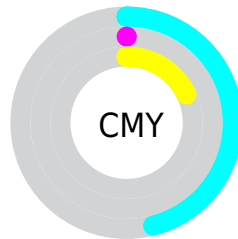
- Red (54%)
- Green (100%)
- Blue (82%)



- Red (54%)
- Yellow (83%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3924, 0.2721, 0.3854 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 81.3924, 0.2721, 0.3854 by changing the saturation by 10% instead.





 81.3924, 0.2721,  
0.3854


 81.3924, 0.2721,  
0.3854


499.6130, 0.2910,  
0.3588

 60.8648, 0.2678,  
0.3916


 135.3216, 0.2787,  
0.3761

 44.1161, 0.2624,  
0.3993


 169.4920, 0.2812,  
0.3725

 30.7618, 0.2557,  
0.4092


208.9789, 0.2834,  
0.3694

 20.4175, 0.2468,  
0.4222

254.1665, 0.2853,  
0.3667

 12.6989, 0.2348,  
0.4403

305.4394, 0.2870,  
0.3644

 7.2215, 0.2175,  
0.4668

363.1818, 0.2885,


 3.6010, 0.1908,

0.3623

427.7782, 0.2898,  
0.3604

0.5092


 1.4530, 0.0954,  
0.6314


 0.2553, 0.0000,  
1.0000

 81.3924, 0.2721,  
0.3854

 81.3924, 0.2721,  
0.3854


 79.0036, 0.2663,  
0.4003


 84.3289, 0.2793,  
0.3713

 77.1159, 0.2623,  
0.4158

 87.8370, 0.2877,  
0.3582

 75.6907, 0.2602,  
0.4316

 91.9505, 0.2969,  
0.3461

 74.6790, 0.2603,  
0.4473

 96.6979, 0.3065,  
0.3352

■ 74.0201, 0.2623,  
0.4626

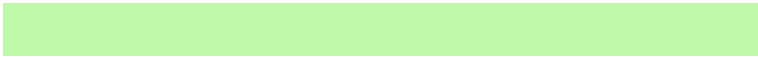
100.0000, 0.3127,  
0.3290

■ 73.8301, 0.2634,  
0.4682

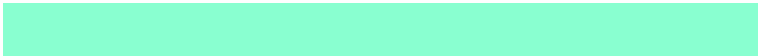
# Harmonies

## Analogous

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



81.3924, 0.3226, 0.4201



81.3924, 0.2721, 0.3854



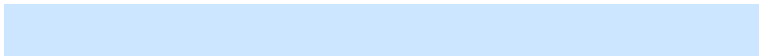
81.3924, 0.2345, 0.3326

# Triad

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



81.3924, 0.2721, 0.3854



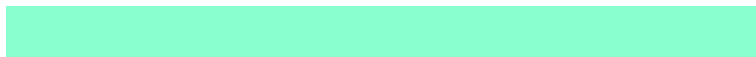
81.3924, 0.2503, 0.2449



81.3924, 0.4182, 0.3593

# Complementary

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



81.3924, 0.2721, 0.3854



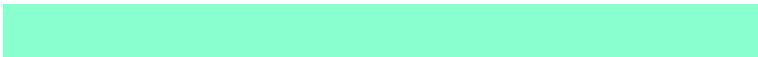
42.6322, 0.3872, 0.2805

# 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.



81.3924, 0.3962, 0.3177



81.3924, 0.2721, 0.3854



81.3924, 0.2955, 0.2548

# Square

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



81.3924, 0.2721, 0.3854



81.3924, 0.2232, 0.2543



81.3924, 0.3497, 0.2807



81.3924, 0.4087, 0.3979



# Rectangle

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



81.3924, 0.2721, 0.3854



81.3924, 0.2207, 0.2989



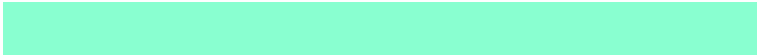
81.3924, 0.3497, 0.2807



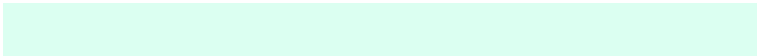
81.3924, 0.4143, 0.3454

# Sweetspot

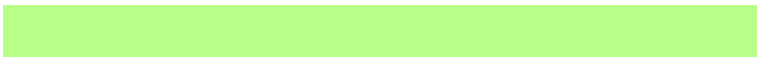
The Sweet Spot groups the original color and five complimentary colors.



81.3956, 0.2721, 0.3854



92.9634, 0.2990, 0.3436



83.5471, 0.3334, 0.4634



19.6901, 0.2970, 0.3460



0.0000, 0.0000, 0.0000

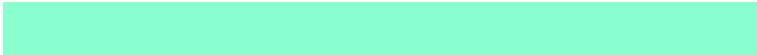


21.4041, 0.3127, 0.3290



# Same Dimension

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



81.3956, 0.2721, 0.3854



79.0575, 0.2664, 0.4000



76.7676, 0.2484, 0.3153



20.3516, 0.3033, 0.3386



38.6081, 0.2627, 0.4657



3.7807, 0.2579, 0.4484



# Inverse Universe

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



42.6322, 0.3872, 0.2805



35.7626, 0.4119, 0.2717



44.5157, 0.4335, 0.3416



18.1071, 0.3231, 0.3196



11.6344, 0.5389, 0.2742

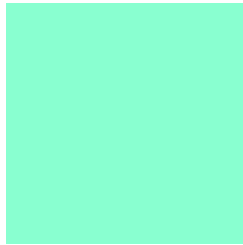


1.1537, 0.5087, 0.2576



# Previews

## White Background



This preview shows how the Yxy color 81.3924, 0.2721, 0.3854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

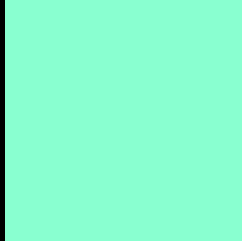
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.3924, 0.2721, 0.3854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

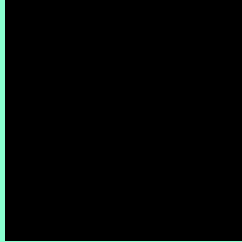
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.3924, 0.2721, 0.3854**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.3924, 0.2721, 0.3854.

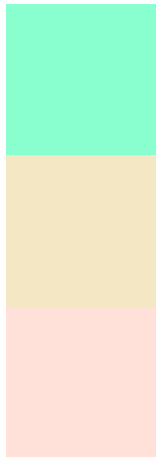


This preview shows how white text looks on a background with the Yxy color 81.3924, 0.2721, 0.3854.

# 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

81.3924, 0.2721, 0.3854

### Protanopia

80.3704, 0.3448, 0.3654

### Deuteranopia

80.1724, 0.3388, 0.3361



## Tritanopia

81.0385, 0.2712, 0.3148

# Trichromacy



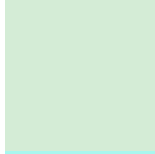
## Original Color

81.3924, 0.2721, 0.3854



## Protanomaly

79.4694, 0.3139, 0.3736



## Deuteranomaly

78.8430, 0.3103, 0.3531



## Tritanomaly

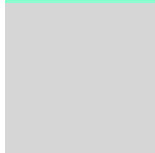
81.0194, 0.2713, 0.3390

# Monochromacy



## Original Color

81.3924, 0.2721, 0.3854



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

71.2312, 0.2945, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.3924, 0.2721, 0.3854 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(137, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 208)  
}
```

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(137, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 81.3924, 0.2721, 0.3854 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(137, 255, 208) }
```

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

```
.border{ border-color:rgb(137, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.3924, 0.2721, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 208) }
```

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

```
.background{ background-color: rgb(137,  
255, 208) }
```

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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