

# Converting Colors

$Yxy(80.9496, 0.2755, 0.3955)$

Have a look what the booklet for  
Yxy(80.9496, 0.2755, 0.3955)  
contains.

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# Color

**Yxy(80.9244, 0.2754, 0.3956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88FFC8
RGB	136, 255, 200
RGB Percent	53%, 100%, 78%
CMY	0.4668, 0.0000, 0.2156
CMYK	0.47, 0.00, 0.22, 0.00
HSL	152°, 100%, 77%
HSV	152°, 47%, 100%
XYZ	56.3361, 80.9244, 67.3006
YIQ	213.1490, -53.2690, -42.3330

# Conversions

## Conversions Part 2

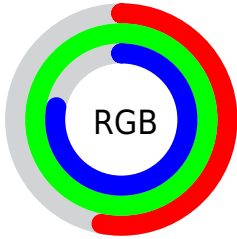
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 213, 255
Decimal	8978376
CIELab	92.10, -45.94, 16.01
CIELCh	92, 48.646, 160.785
Yxy	80.9244, 0.2754, 0.3956
Android (android.graphics.Color)	4287168456 (0xFF88FFC8)
YUV	213.1490, -6.4825, -67.6597
Hunter-Lab	89.9580, -45.6409, 18.6137

# Details

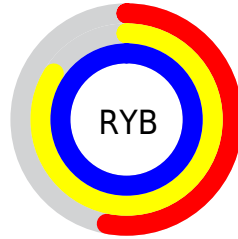
The Yxy color **80.9244, 0.2754, 0.3956** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.6208, 0.3800, 0.2725**, and the grayscale version is **66.7102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **44.0000, 0.2662, 0.4129** is the 20% darker color. If you saturate the color by 10%, you get **78.5063, 0.2703, 0.4132**, and if you desaturate by 10%, it is **83.8894, 0.2820, 0.3790**.

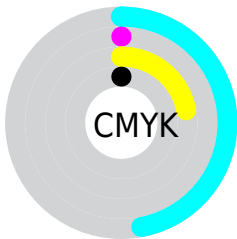
# Distribution



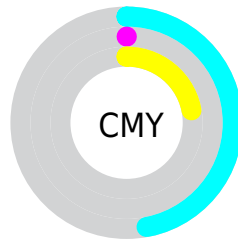
- Red (53%)
- Green (100%)
- Blue (78%)



- Red (53%)
- Yellow (84%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9244, 0.2754, 0.3956 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 80.9244, 0.2754, 0.3956 by changing the saturation by 10% instead.





 80.9244, 0.2754,  
0.3956


 80.9244, 0.2754,  
0.3956


498.0427, 0.2930,  
0.3639

 60.4793, 0.2713,  
0.4030


 134.6646, 0.2816,  
0.3844

 43.8051, 0.2662,  
0.4123


 168.7286, 0.2840,  
0.3801

 30.5173, 0.2597,  
0.4243


208.1009, 0.2860,  
0.3765

 20.2316, 0.2511,  
0.4402

253.1661, 0.2878,  
0.3733

 12.5635, 0.2392,  
0.4623

304.3084, 0.2893,  
0.3705

 7.1287, 0.2219,  
0.4949

361.9124, 0.2907,

 3.5427, 0.1945,

0.3680

426.3623, 0.2919,  
0.3659

0.5476

1.4212, 0.0793,  
0.7434

0.2323, 0.0000,  
1.0000

80.9244, 0.2754,  
0.3956

80.9244, 0.2754,  
0.3956

78.5063, 0.2703,  
0.4132

83.8894, 0.2820,  
0.3790

76.6026, 0.2668,  
0.4314

87.4402, 0.2896,  
0.3636

75.1690, 0.2654,  
0.4498

91.6062, 0.2979,  
0.3495

74.1559, 0.2660,  
0.4679

96.4163, 0.3067,  
0.3367

■ 73.5011, 0.2686,  
0.4853

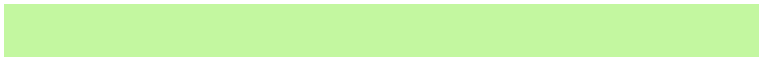
100.0000, 0.3127,  
0.3290

■ 73.3318, 0.2697,  
0.4909

# Harmonies

## Analogous

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



80.9244, 0.3298, 0.4289



80.9244, 0.2754, 0.3956



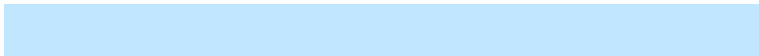
80.9244, 0.2334, 0.3398

# Triad

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



80.9244, 0.2754, 0.3956



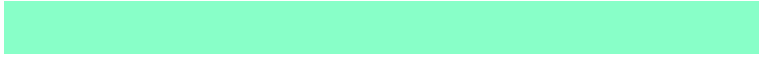
80.9244, 0.2417, 0.2400



80.9244, 0.4241, 0.3552

# Complementary

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



80.9244, 0.2754, 0.3956



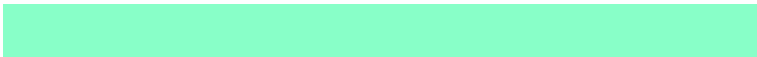
42.6208, 0.3800, 0.2725

# 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.



80.9244, 0.3968, 0.3114



80.9244, 0.2754, 0.3956



80.9244, 0.2876, 0.2482

# Square

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



80.9244, 0.2754, 0.3956



80.9244, 0.2159, 0.2522



80.9244, 0.3448, 0.2736

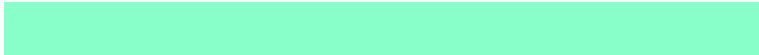


80.9244, 0.4178, 0.3972



# Rectangle

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



80.9244, 0.2754, 0.3956



80.9244, 0.2171, 0.3027



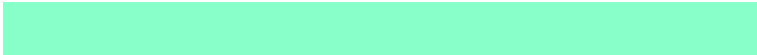
80.9244, 0.3448, 0.2736



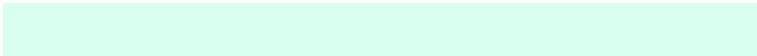
80.9244, 0.4186, 0.3404

# Sweetspot

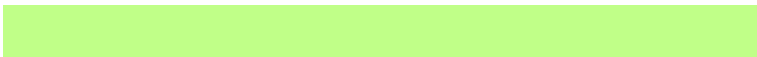
The Sweet Spot groups the original color and five complimentary colors.



80.9228, 0.2754, 0.3956



92.8296, 0.3002, 0.3459



84.4407, 0.3386, 0.4625



19.6575, 0.2984, 0.3488



0.0000, 0.0000, 0.0000

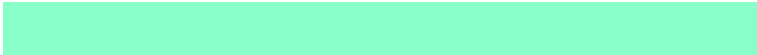


21.4041, 0.3127, 0.3290



# Same Dimension

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



80.9228, 0.2754, 0.3956



78.6533, 0.2706, 0.4119



81.4667, 0.2496, 0.3243



20.3316, 0.3042, 0.3402



38.3479, 0.2689, 0.4881



3.7559, 0.2635, 0.4684



# Inverse Universe

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



42.6208, 0.3800, 0.2725



36.1137, 0.4008, 0.2626



41.7759, 0.4395, 0.3335



18.1267, 0.3221, 0.3181



11.8193, 0.5126, 0.2597

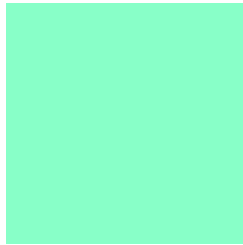


1.1726, 0.4851, 0.2446



# Previews

## White Background



This preview shows how the Yxy color 80.9244, 0.2754, 0.3956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

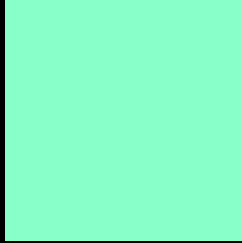
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9244, 0.2754, 0.3956 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 80.9244, 0.2754, 0.3956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9244, 0.2754, 0.3956.

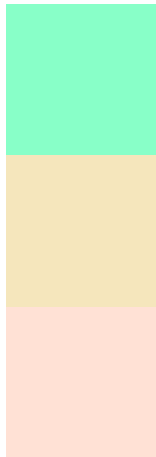


This preview shows how white text looks on a background with the Yxy color 80.9244, 0.2754, 0.3956.

# 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

80.9244, 0.2754, 0.3956

### Protanopia

79.6369, 0.3512, 0.3727

### Deuteranopia

79.9145, 0.3423, 0.3412



## Tritanopia

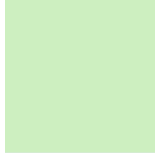
80.1979, 0.2700, 0.3137

# Trichromacy



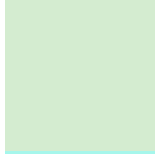
## Original Color

80.9244, 0.2754, 0.3956



## Protanomaly

78.5179, 0.3188, 0.3818



## Deuteranomaly

78.5420, 0.3139, 0.3598



## Tritanomaly

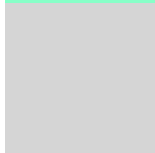
80.0167, 0.2717, 0.3414

# Monochromacy



## Original Color

80.9244, 0.2754, 0.3956



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

70.3552, 0.2962, 0.3524

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9244, 0.2754, 0.3956 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(136, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 200)  
}
```

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(136, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9244, 0.2754, 0.3956 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(136, 255, 200) }
```

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

```
.border{ border-color:rgb(136, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9244, 0.2754, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 200) }
```

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

```
.background{ background-color: rgb(136,  
255, 200) }
```

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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