

# Converting Colors

Yxy(80.6481, 0.2774, 0.4018)

Have a look what the booklet for  
Yxy(80.6481, 0.2774, 0.4018)  
contains.

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# Color

**Yxy(80.6110, 0.2774, 0.4021)**

# Conversions

Conversions Part 1	
Format	Color
Hex	87FFC3
RGB	135, 255, 195
RGB Percent	53%, 100%, 76%
CMY	0.4702, 0.0000, 0.2353
CMYK	0.47, 0.00, 0.24, 0.00
HSL	150°, 100%, 76%
HSV	150°, 47%, 100%
XYZ	55.6118, 80.6110, 64.2522
YIQ	212.2800, -52.2600, -44.1000

# Conversions

## Conversions Part 2

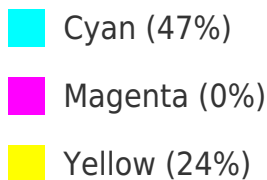
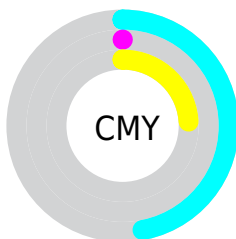
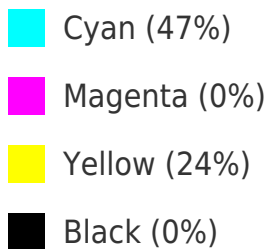
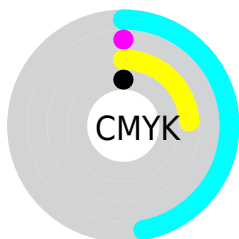
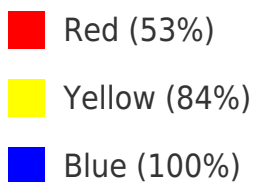
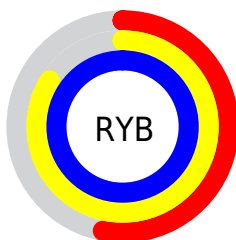
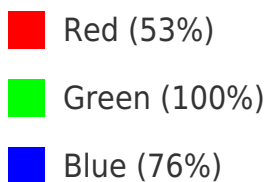
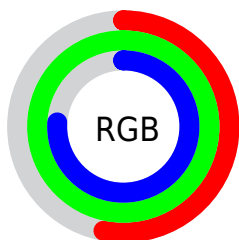
Format	Color
<a href="#">RYB</a>	<a href="#">135, 215, 255</a>
Decimal	<a href="#">8912835</a>
CIELab	<a href="#">91.96, -47.14, 18.38</a>
CIELCh	<a href="#">92, 50.599, 158.699</a>
Yxy	<a href="#">80.6110, 0.2774, 0.4021</a>
Android (android.graphics.Color)	<a href="#">4287102915</a> ( <a href="#">0xFF87FFC3</a> )
YUV	<a href="#">212.2800, -8.5190, -67.7746</a>
Hunter-Lab	<a href="#">89.7836, -46.5589, 20.4186</a>

# Details

The Yxy color **80.6110, 0.2774, 0.4021** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.5568, 0.3758, 0.2675**, and the grayscale version is **66.1336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0176, 0.2788, 0.3321**, and **43.8071, 0.2686, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **78.1919, 0.2727, 0.4213**, and if you desaturate by 10%, it is **83.5926, 0.2835, 0.3839**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6110, 0.2774, 0.4021 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 80.6110, 0.2774, 0.4021 by changing the saturation by 10% instead.



 80.6110, 0.2774,  
0.4021


 80.6110, 0.2774,  
0.4021


496.9896, 0.2943,  
0.3671

 60.2213, 0.2734,  
0.4103


 134.2244, 0.2833,  
0.3898

 43.5970, 0.2685,  
0.4207


 168.2169, 0.2856,  
0.3850

 30.3538, 0.2621,  
0.4340


207.5124, 0.2876,  
0.3810

 20.1073, 0.2536,  
0.4517

252.4954, 0.2893,  
0.3775

 12.4731, 0.2418,  
0.4764

303.5502, 0.2908,  
0.3744

 7.0667, 0.2243,  
0.5130


361.0612, 0.2921,


 3.5039, 0.1962,


0.3717


0.5721


425.4129, 0.2932,  
0.3693


 1.4001, 0.0646,  
0.8414


 0.2168, 0.0000,  
1.0000


 80.6110, 0.2774,  
0.4021


 80.6110, 0.2774,  
0.4021


 78.1919, 0.2727,  
0.4213


 83.5926, 0.2835,  
0.3839


 76.2874, 0.2696,  
0.4411


 87.1610, 0.2907,  
0.3671


 74.8579, 0.2685,  
0.4610

 91.3510, 0.2985,  
0.3517

 73.8529, 0.2695,  
0.4805

 96.1918, 0.3068,  
0.3378

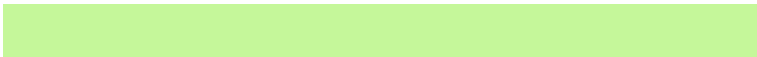
 73.2088, 0.2723, 99.9960, 0.3127,  
0.4989 0.3290

 73.0584, 0.2734,  
0.5042

# Harmonies

## Analogous

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



80.6110, 0.3343, 0.4344



80.6110, 0.2774, 0.4021



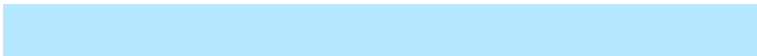
80.6110, 0.2327, 0.3443

# Triad

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



80.6110, 0.2774, 0.4021



80.6110, 0.2364, 0.2369



80.6110, 0.4279, 0.3526

# Complementary

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



80.6110, 0.2774, 0.4021



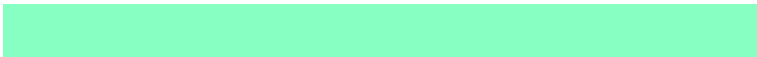
42.5568, 0.3758, 0.2675

# 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.



80.6110, 0.3971, 0.3076



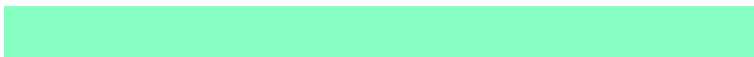
80.6110, 0.2774, 0.4021



80.6110, 0.2826, 0.2441

# Square

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



80.6110, 0.2774, 0.4021



80.6110, 0.2113, 0.2509



80.6110, 0.3418, 0.2693

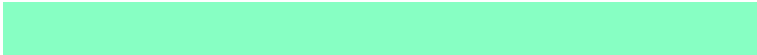


80.6110, 0.4235, 0.3967



# Rectangle

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



80.6110, 0.2774, 0.4021



80.6110, 0.2147, 0.3052



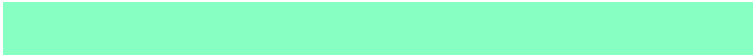
80.6110, 0.3418, 0.2693



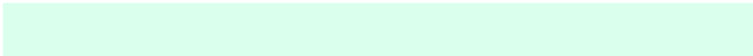
80.6110, 0.4213, 0.3373

# Sweetspot

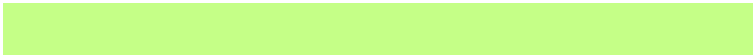
The Sweet Spot groups the original color and five complimentary colors.



80.6143, 0.2774, 0.4021



92.7490, 0.3010, 0.3474



85.1437, 0.3426, 0.4618



19.6379, 0.2992, 0.3505



0.0000, 0.0000, 0.0000

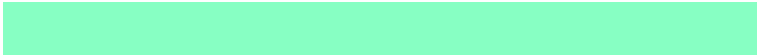


21.4041, 0.3127, 0.3290



# Same Dimension

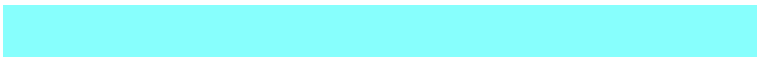
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6143, 0.2774, 0.4021



78.4193, 0.2731, 0.4193



83.7660, 0.2510, 0.3311



20.3195, 0.3047, 0.3411



38.2069, 0.2726, 0.5013



3.7421, 0.2668, 0.4805



# Inverse Universe

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



42.5568, 0.3758, 0.2675



36.3390, 0.3941, 0.2573



40.4212, 0.4408, 0.3273



18.1387, 0.3215, 0.3172



11.9479, 0.4963, 0.2507

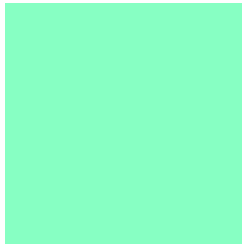


1.1854, 0.4708, 0.2367



# Previews

## White Background



This preview shows how the Yxy color 80.6110, 0.2774, 0.4021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

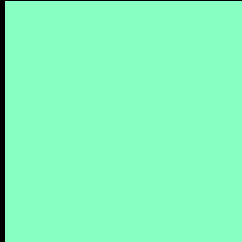
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.6110, 0.2774, 0.4021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

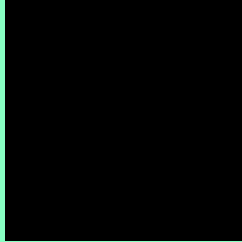
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.6110, 0.2774, 0.4021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.6110, 0.2774, 0.4021.



This preview shows how white text looks on a background with the Yxy color 80.6110, 0.2774, 0.4021.

# 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

80.6110, 0.2774, 0.4021

### Protanopia

79.4250, 0.3545, 0.3780

### Deuteranopia

79.2245, 0.3445, 0.3432




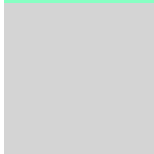
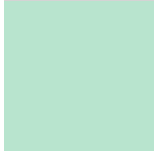
## Tritanopia

80.0757, 0.2695, 0.3136

# Trichromacy

	<b>Original Color</b> 80.6110, 0.2774, 0.4021
	<b>Protanomaly</b> 78.3000, 0.3218, 0.3876
	<b>Deuteranomaly</b> 77.6733, 0.3152, 0.3622
	<b>Tritanomaly</b> 79.7941, 0.2722, 0.3437

# Monochromacy

	<b>Original Color</b> 80.6110, 0.2774, 0.4021
	<b>Achromatopsia</b> 65.8375, 0.3127, 0.3290
	<b>Achromatomaly</b> 70.1334, 0.2968, 0.3549

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.6110, 0.2774, 0.4021 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(135, 255, 195) looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 195)  
}
```

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(135, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 80.6110, 0.2774, 0.4021 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(135, 255, 195) }
```

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

```
.border{ border-color:rgb(135, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.6110, 0.2774, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 195) }
```

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

```
.background{ background-color: rgb(135,  
255, 195) }
```

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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