

# Converting Colors

Yxy(82.0864, 0.2804, 0.3925)

Have a look what the booklet for  
Yxy(82.0864, 0.2804, 0.3925)  
contains.

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# Color

**Yxy(82.0802, 0.2801, 0.3921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FFCA
RGB	148, 255, 202
RGB Percent	58%, 100%, 79%
CMY	0.4195, 0.0000, 0.2079
CMYK	0.42, 0.00, 0.21, 0.00
HSL	150°, 100%, 79%
HSV	150°, 42%, 100%
XYZ	58.6347, 82.0802, 68.6200
YIQ	216.9650, -46.7590, -39.1670

# Conversions

## Conversions Part 2

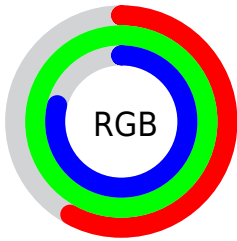
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 219, 255
Decimal	9764810
CIELab	92.61, -42.51, 15.79
CIELCh	93, 45.345, 159.626
Yxy	82.0802, 0.2801, 0.3921
Android (android.graphics.Color)	4287954890 (0xFF94FFCA)
YUV	216.9650, -7.3777, -60.4823
Hunter-Lab	90.5981, -43.0223, 18.5118

# Details

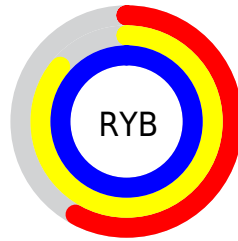
The Yxy color **82.0802, 0.2801, 0.3921** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.6659, 0.3668, 0.2744**, and the grayscale version is **69.4416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **44.7504, 0.2722, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **79.3852, 0.2746, 0.4106**, and if you desaturate by 10%, it is **85.3509, 0.2868, 0.3748**.

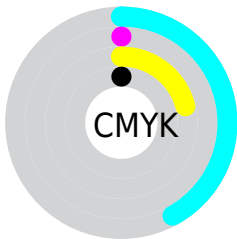
# Distribution



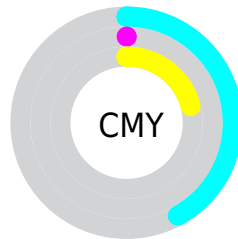
- Red (58%)
- Green (100%)
- Blue (79%)



- Red (58%)
- Yellow (86%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0802, 0.2801, 0.3921 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 82.0802, 0.2801, 0.3921 by changing the saturation by 10% instead.




 82.0802, 0.2801,  
0.3921


 82.0802, 0.2801,  
0.3921


501.9159, 0.2955,  
0.3622

 61.4316, 0.2765,  
0.3991


 136.2865, 0.2855,  
0.3816

 44.5736, 0.2721,  
0.4078


 170.6130, 0.2876,  
0.3775

 31.1217, 0.2664,  
0.4190


210.2676, 0.2894,  
0.3741

 20.6915, 0.2589,  
0.4338

255.6347, 0.2909,  
0.3711

 12.8987, 0.2485,  
0.4543

307.0986, 0.2923,  
0.3684

 7.3588, 0.2333,  
0.4846


365.0439, 0.2935,


 3.6875, 0.2092,


0.3661


0.5331


429.8549, 0.2945,  
0.3641


 1.5003, 0.1311,  
0.6802


 0.2890, 0.0000,  
1.0000


 82.0802, 0.2801,  
0.3921


 82.0802, 0.2801,  
0.3921

 79.3852, 0.2746,  
0.4106


 85.3509, 0.2868,  
0.3748


 77.2255, 0.2706,  
0.4300

 89.2257, 0.2944,  
0.3588

 75.5625, 0.2684,  
0.4497

 93.7362, 0.3026,  
0.3443

 74.3500, 0.2683,  
0.4693

 98.9104, 0.3111,  
0.3314

■ 73.5326, 0.2702,  
0.4881

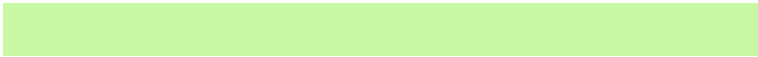
100.0000, 0.3127,  
0.3290

■ 73.0952, 0.2729,  
0.5025

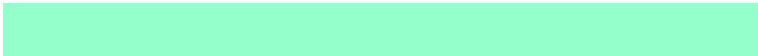
# Harmonies

## Analogous

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



82.0802, 0.3311, 0.4217



82.0802, 0.2801, 0.3921



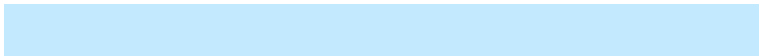
82.0802, 0.2401, 0.3413

# Triad

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



82.0802, 0.2801, 0.3921



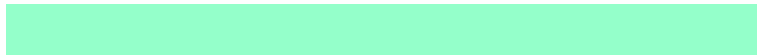
82.0802, 0.2452, 0.2459



82.0802, 0.4156, 0.3524

# Complementary

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



82.0802, 0.2801, 0.3921



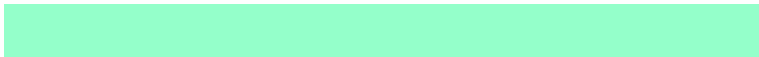
46.6659, 0.3668, 0.2744

# 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.



82.0802, 0.3891, 0.3114



82.0802, 0.2801, 0.3921



82.0802, 0.2876, 0.2527

# Square

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



82.0802, 0.2801, 0.3921



82.0802, 0.2216, 0.2585



82.0802, 0.3406, 0.2761

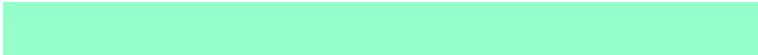


82.0802, 0.4113, 0.3917



# Rectangle

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



82.0802, 0.2801, 0.3921



82.0802, 0.2240, 0.3069



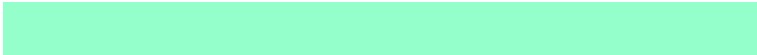
82.0802, 0.3406, 0.2761



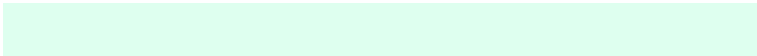
82.0802, 0.4101, 0.3385

# Sweetspot

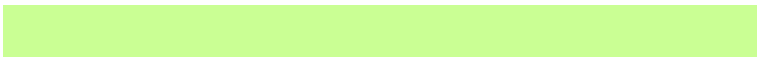
The Sweet Spot groups the original color and five complimentary colors.



82.0817, 0.2801, 0.3921



93.2327, 0.3017, 0.3458



86.1474, 0.3391, 0.4471



19.7338, 0.2999, 0.3489



0.0000, 0.0000, 0.0000

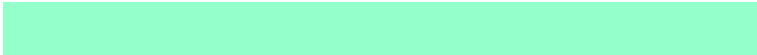


21.4041, 0.3127, 0.3290

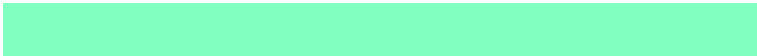


# Same Dimension

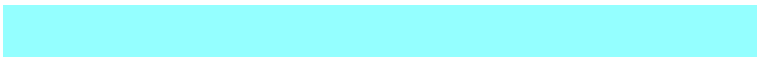
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0817, 0.2801, 0.3921



79.8681, 0.2755, 0.4069



85.0381, 0.2553, 0.3288



20.3211, 0.3047, 0.3410



38.2240, 0.2721, 0.4996



3.7438, 0.2664, 0.4790



# Inverse Universe

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



46.6659, 0.3668, 0.2744



40.3159, 0.3823, 0.2645



44.5859, 0.4224, 0.3293



18.1372, 0.3216, 0.3173



11.9310, 0.4983, 0.2519

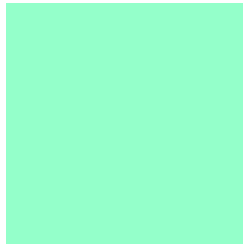


1.1837, 0.4726, 0.2377



# Previews

## White Background



This preview shows how the Yxy color 82.0802, 0.2801, 0.3921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

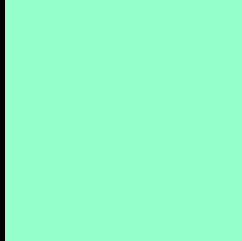
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0802, 0.2801, 0.3921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

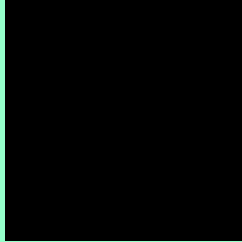
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

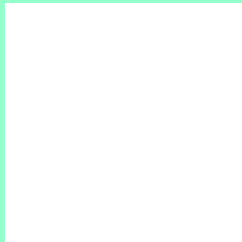
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0802, 0.2801, 0.3921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0802, 0.2801, 0.3921.

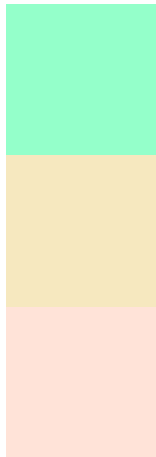


This preview shows how white text looks on a background with the Yxy color 82.0802, 0.2801, 0.3921.

# 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

82.0802, 0.2801, 0.3921

### Protanopia

81.0676, 0.3494, 0.3714

### Deuteranopia

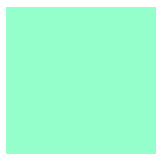
81.1560, 0.3399, 0.3401



## Tritanopia

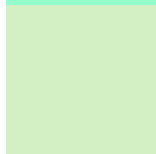
81.8006, 0.2745, 0.3149

# Trichromacy



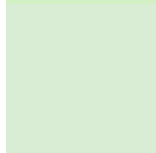
## Original Color

82.0802, 0.2801, 0.3921



## Protanomaly

79.9619, 0.3202, 0.3789



## Deuteranomaly

79.8705, 0.3147, 0.3573



## Tritanomaly

81.6916, 0.2760, 0.3412

# Monochromacy



## Original Color

82.0802, 0.2801, 0.3921



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

73.1118, 0.2984, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0802, 0.2801, 0.3921 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(148, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 202)  
}
```

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(148, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0802, 0.2801, 0.3921 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(148, 255, 202) }
```

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

```
.border{ border-color:rgb(148, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0802, 0.2801, 0.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 202) }
```

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

```
.background{ background-color: rgb(148,  
255, 202) }
```

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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