

# Converting Colors

$Y_{xy}(100.0000, 0.2831, 0.4175)$

Have a look what the booklet for  
Yxy(100.0000, 0.2831, 0.4175)  
contains.

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# Color

**Yxy(82.1738, 0.2806, 0.3920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95FFCA
RGB	149, 255, 202
RGB Percent	58%, 100%, 79%
CMY	0.4155, 0.0000, 0.2079
CMYK	0.42, 0.00, 0.21, 0.00
HSL	150°, 100%, 79%
HSV	150°, 42%, 100%
XYZ	58.8213, 82.1738, 68.6319
YIQ	217.2640, -46.1630, -38.9550

# Conversions

## Conversions Part 2

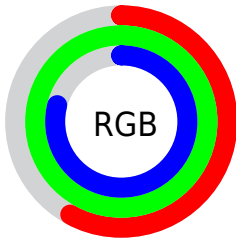
Format	Color
<a href="#">RYB</a>	<a href="#">149, 220, 255</a>
Decimal	<a href="#">9830346</a>
CIELab	<a href="#">92.65, -42.23, 15.85</a>
CIElCh	<a href="#">93, 45.110, 159.432</a>
Yxy	<a href="#">82.1738, 0.2806, 0.3920</a>
Android (android.graphics.Color)	<a href="#">4288020426</a> ( <a href="#">0xFF95FFCA</a> )
YUV	<a href="#">217.2640, -7.5252, -59.8675</a>
Hunter-Lab	<a href="#">90.6498, -42.8110, 18.5658</a>

# Details

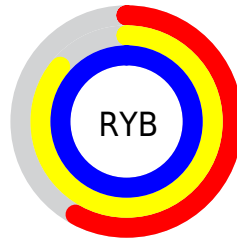
The Yxy color **82.1738, 0.2806, 0.3920** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.0392, 0.3656, 0.2745**, and the grayscale version is **69.6646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **44.8016, 0.2727, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **79.4548, 0.2751, 0.4107**, and if you desaturate by 10%, it is **85.4745, 0.2873, 0.3745**.

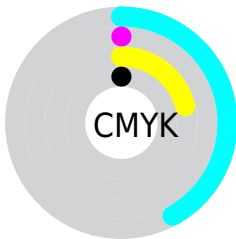
# Distribution



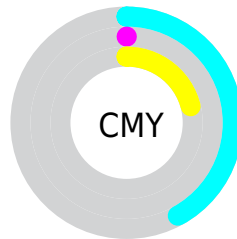
- Red (58%)
- Green (100%)
- Blue (79%)



- 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 82.1738, 0.2806, 0.3920 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 82.1738, 0.2806, 0.3920 by changing the saturation by 10% instead.




 82.1738, 0.2806,  
0.3920

 82.1738, 0.2806,  
0.3920


502.2289, 0.2958,  
0.3622

 61.5088, 0.2771,  
0.3990

 136.4177, 0.2859,  
0.3815

 44.6359, 0.2727,  
0.4077


 170.7654, 0.2880,  
0.3775

 31.1708, 0.2671,  
0.4188


210.4428, 0.2897,  
0.3740

 20.7289, 0.2597,  
0.4336

255.8343, 0.2912,  
0.3710

 12.9260, 0.2494,  
0.4541

307.3242, 0.2926,  
0.3684

 7.3776, 0.2344,  
0.4843


365.2970, 0.2938,


 3.6994, 0.2106,


0.3661


0.5326


430.1371, 0.2948,  
0.3640

 1.5068, 0.1350,  
0.6775


 0.2935, 0.0000,  
1.0000

 82.1738, 0.2806,  
0.3920


 82.1738, 0.2806,  
0.3920


 79.4548, 0.2751,  
0.4107


 85.4745, 0.2873,  
0.3745


 77.2717, 0.2710,  
0.4302

 89.3796, 0.2949,  
0.3585

 75.5878, 0.2688,  
0.4501

 93.9225, 0.3030,  
0.3439

 74.3572, 0.2687,  
0.4699

 99.1313, 0.3114,  
0.3309

■ 73.5249, 0.2705,  
0.4889

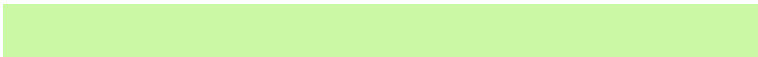
99.9985, 0.3127,  
0.3290

■ 73.0616, 0.2734,  
0.5042

# Harmonies

## Analogous

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



82.1738, 0.3313, 0.4213



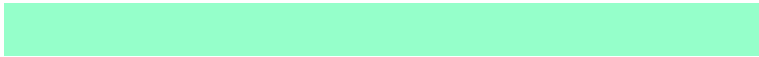
82.1738, 0.2806, 0.3920



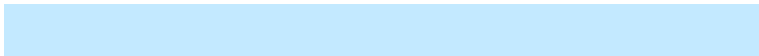
82.1738, 0.2406, 0.3416

# Triad

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



82.1738, 0.2806, 0.3920



82.1738, 0.2454, 0.2463



82.1738, 0.4150, 0.3520

# Complementary

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



82.1738, 0.2806, 0.3920



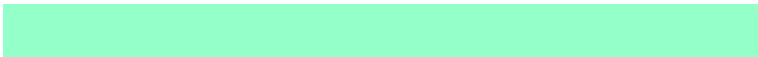
47.0392, 0.3656, 0.2745

# 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.



82.1738, 0.3884, 0.3112



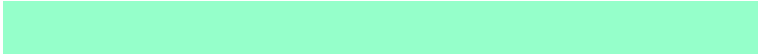
82.1738, 0.2806, 0.3920



82.1738, 0.2874, 0.2530

# Square

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



82.1738, 0.2806, 0.3920



82.1738, 0.2220, 0.2590



82.1738, 0.3401, 0.2762

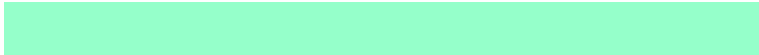


82.1738, 0.4109, 0.3912



# Rectangle

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



82.1738, 0.2806, 0.3920



82.1738, 0.2246, 0.3073



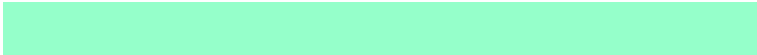
82.1738, 0.3401, 0.2762



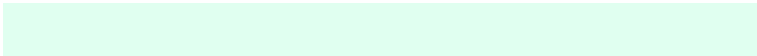
82.1738, 0.4094, 0.3382

# Sweetspot

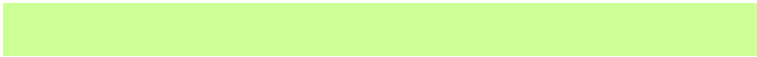
The Sweet Spot groups the original color and five complimentary colors.



82.1772, 0.2806, 0.3920



93.7041, 0.3026, 0.3446



86.4982, 0.3400, 0.4454



19.9224, 0.3016, 0.3464



0.0000, 0.0000, 0.0000

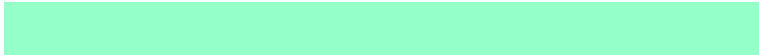


21.4041, 0.3127, 0.3290

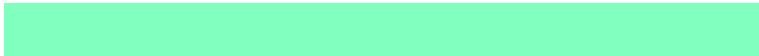


# Same Dimension

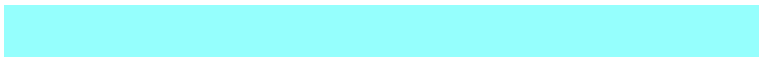
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1772, 0.2806, 0.3920



79.8413, 0.2758, 0.4077



85.0199, 0.2565, 0.3308



20.3196, 0.3047, 0.3411



38.2072, 0.2726, 0.5012



3.7422, 0.2668, 0.4804



# Inverse Universe

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



47.0392, 0.3656, 0.2745



40.3427, 0.3816, 0.2639



45.0006, 0.4189, 0.3275



18.1387, 0.3215, 0.3172



11.9476, 0.4963, 0.2508

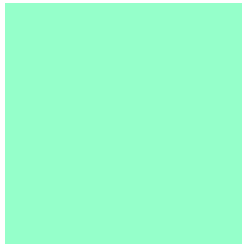


1.1853, 0.4709, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 82.1738, 0.2806, 0.3920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

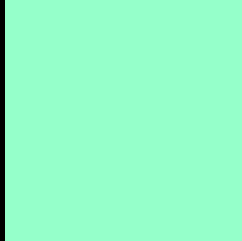
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1738, 0.2806, 0.3920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

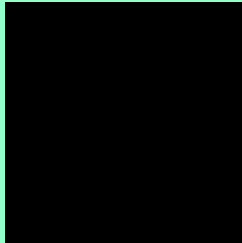
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.1738, 0.2806, 0.3920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1738, 0.2806, 0.3920.

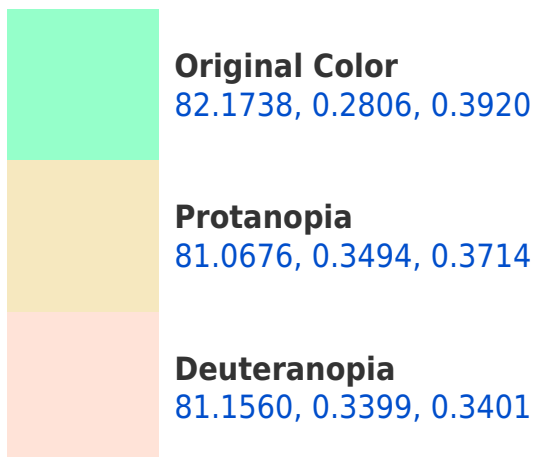


This preview shows how white text looks on a background with the Yxy color 82.1738, 0.2806, 0.3920.

# 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





## Tritanopia

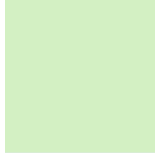
81.9307, 0.2750, 0.3150

# Trichromacy



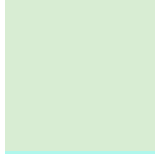
## Original Color

82.1738, 0.2806, 0.3920



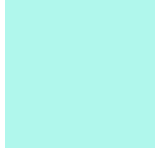
## Protanomaly

80.1092, 0.3209, 0.3788



## Deuteranomaly

79.8705, 0.3147, 0.3573



## Tritanomaly

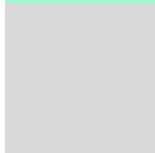
81.8078, 0.2765, 0.3412

# Monochromacy



## Original Color

82.1738, 0.2806, 0.3920



## 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 82.1738, 0.2806, 0.3920 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(149, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1738, 0.2806, 0.3920 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(149, 255, 202) }
```

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

```
.border{ border-color:rgb(149, 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(149, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1738, 0.2806, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 202) }
```

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

```
.background{ background-color: rgb(149,  
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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