

Converting Colors

$Yxy(83.5236, 0.2882, 0.3920)$

Have a look what the booklet for
Yxy(83.5236, 0.2882, 0.3920)
contains.

Yxy(83.5236, 0.2882, 0.3920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.5236, 0.2882, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFC9
RGB	163, 255, 201
RGB Percent	64%, 100%, 79%
CMY	0.3608, 0.0000, 0.2118
CMYK	0.36, 0.00, 0.21, 0.00
HSL	145°, 100%, 82%
HSV	145°, 36%, 100%
XYZ	61.4069, 83.5236, 68.1399
YIQ	221.3360, -37.4980, -36.2980

Conversions

Conversions Part 2

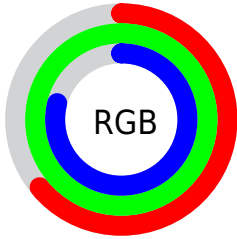
Format	Color
RYB	163, 228, 255
Decimal	10747849
CIELab	93.24, -38.63, 17.28
CIElCh	93, 42.319, 155.902
Yxy	83.5236, 0.2882, 0.3920
Android (android.graphics.Color)	4288937929 (0xFFA3FFC9)
YUV	221.3360, -10.0256, -51.1607
Hunter-Lab	91.3912, -39.9984, 19.7682

Details

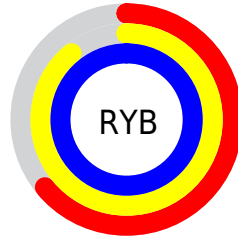
The Yxy color **83.5236, 0.2882, 0.3920** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.4667, 0.3490, 0.2739**, and the grayscale version is **72.6466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **45.6206, 0.2817, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **80.4275, 0.2828, 0.4134**, and if you desaturate by 10%, it is **87.2318, 0.2944, 0.3722**.

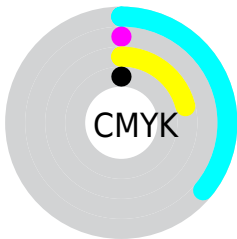
Distribution



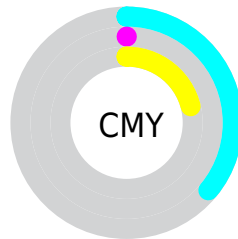
- Red (64%)
- Green (100%)
- Blue (79%)



- Red (64%)
- Yellow (89%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5236, 0.2882, 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 83.5236, 0.2882, 0.3920 by changing the saturation by 10% instead.


 83.5236, 0.2882,
0.3920


 83.5236, 0.2882,
0.3920

506.7299, 0.2999,
0.3622

 62.6222, 0.2854,
0.3989


 138.3086, 0.2923,
0.3816

 45.5356, 0.2820,
0.4076


 172.9609, 0.2939,
0.3775

 31.8795, 0.2776,
0.4186


212.9657, 0.2953,
0.3741

 21.2695, 0.2717,
0.4332

258.7073, 0.2964,
0.3711

 13.3211, 0.2635,
0.4534

310.5701, 0.2975,
0.3685

 7.6501, 0.2513,
0.4830

368.9386, 0.2984,

 3.8719, 0.2315,

0.3662

0.5302

434.1970, 0.2992,
0.3641

■ 1.6021, 0.1845,
0.6564

■ 0.3590, 0.0000,
1.0000

■ 83.5236, 0.2882,
0.3920

■ 83.5236, 0.2882,
0.3920

■ 80.4275, 0.2828,
0.4134

■ 87.2318, 0.2944,
0.3722

■ 77.9076, 0.2787,
0.4360

■ 91.5829, 0.3013,
0.3541

■ 75.9258, 0.2761,
0.4593

■ 96.6068, 0.3084,
0.3379

■ 74.4389, 0.2754,
0.4824

100.0000, 0.3127,
0.3290

■ 73.3965, 0.2766,
0.5045

■ 72.7362, 0.2797,
0.5248

■ 72.5462, 0.2812,
0.5322

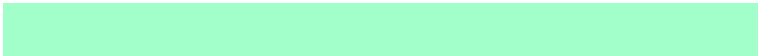
Harmonies

Analogous

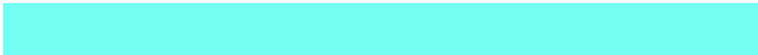
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5236, 0.3361, 0.4160



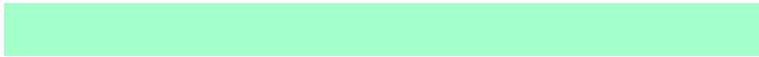
83.5236, 0.2882, 0.3920



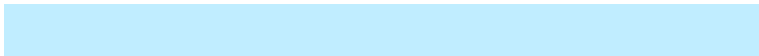
83.5236, 0.2489, 0.3468

Triad

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



83.5236, 0.2882, 0.3920



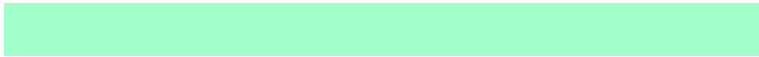
83.5236, 0.2460, 0.2518



83.5236, 0.4066, 0.3465

Complementary

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



83.5236, 0.2882, 0.3920



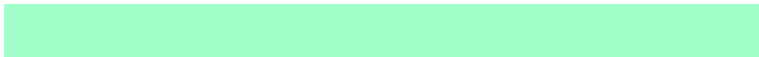
52.4667, 0.3490, 0.2739

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.



83.5236, 0.3788, 0.3083



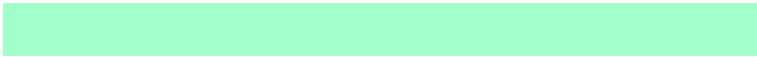
83.5236, 0.2882, 0.3920



83.5236, 0.2838, 0.2560

Square

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



83.5236, 0.2882, 0.3920



83.5236, 0.2263, 0.2663



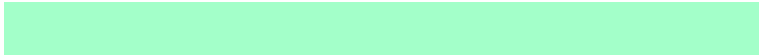
83.5236, 0.3325, 0.2762



83.5236, 0.4064, 0.3837

Rectangle

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



83.5236, 0.2882, 0.3920



83.5236, 0.2321, 0.3145



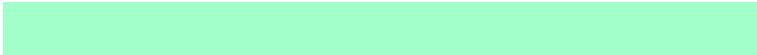
83.5236, 0.3325, 0.2762



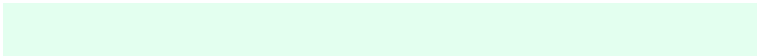
83.5236, 0.4002, 0.3335

Sweetspot

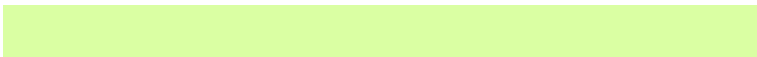
The Sweet Spot groups the original color and five complimentary colors.



83.5240, 0.2882, 0.3920



94.0472, 0.3048, 0.3457



89.1012, 0.3421, 0.4273



19.9854, 0.3039, 0.3479



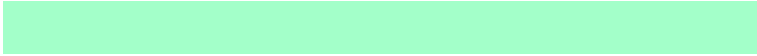
0.0000, 0.0000, 0.0000



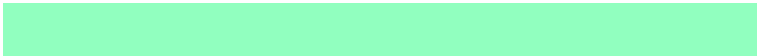
21.4041, 0.3127, 0.3290

Same Dimension

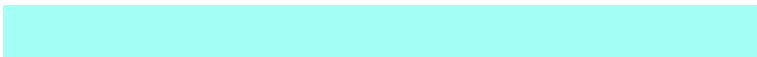
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5240, 0.2882, 0.3920



81.3170, 0.2844, 0.4067



85.9487, 0.2662, 0.3391



20.2926, 0.3059, 0.3433



37.9350, 0.2803, 0.5292



3.7147, 0.2741, 0.5067

Inverse Universe

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



52.4667, 0.3490, 0.2739



46.2570, 0.3587, 0.2633



50.4429, 0.3915, 0.3195



18.1660, 0.3202, 0.3151



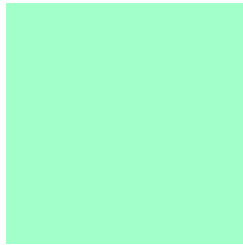
12.2847, 0.4598, 0.2306



1.2179, 0.4395, 0.2195

Previews

White Background



This preview shows how the Yxy color 83.5236, 0.2882, 0.3920 looks on a white background.

Color Contrast Check

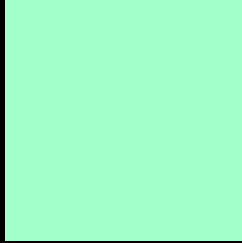
Large Text (above 18pt) WCAG AA × Fail

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 83.5236, 0.2882, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

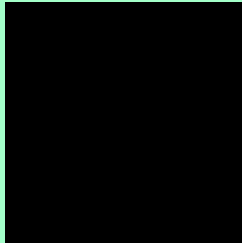
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

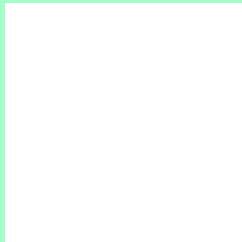
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5236, 0.2882, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 83.5236, 0.2882, 0.3920.

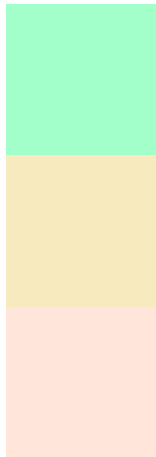


This preview shows how white text looks on a background with the Yxy color 83.5236, 0.2882, 0.3920.

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



Original Color

83.5236, 0.2882, 0.3920

Protanopia

82.5637, 0.3505, 0.3732

Deuteranopia

82.3606, 0.3382, 0.3401



Tritanopia

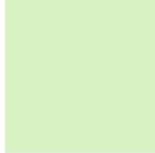
83.0036, 0.2795, 0.3152

Trichromacy



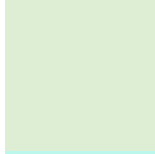
Original Color

83.5236, 0.2882, 0.3920



Protanomaly

82.1961, 0.3248, 0.3802



Deuteranomaly

81.4321, 0.3181, 0.3569



Tritanomaly

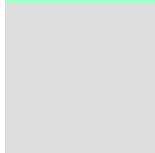
83.0845, 0.2831, 0.3421

Monochromacy



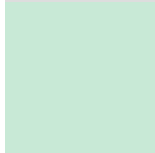
Original Color

83.5236, 0.2882, 0.3920



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4122, 0.3024, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5236, 0.2882, 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(163, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 201)  
}
```

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(163, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 83.5236, 0.2882, 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(163, 255, 201) }
```

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

```
.border{ border-color:rgb(163, 255, 201) }
```

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

Here you see how a box with a 4 pixel rgb(163, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5236, 0.2882, 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(163, 255, 201) }
```

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

```
.background{ background-color: rgb(163,  
255, 201) }
```

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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