

Converting Colors

$Yxy(182.3541, 0.2935, 0.4825)$

Have a look what the booklet for
Yxy(182.3541, 0.2935, 0.4825)
contains.

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Color

Yxy(83.6296, 0.2887, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	A4FFC9
RGB	164, 255, 201
RGB Percent	64%, 100%, 79%
CMY	0.3570, 0.0000, 0.2117
CMYK	0.36, 0.00, 0.21, 0.00
HSL	144°, 100%, 82%
HSV	144°, 36%, 100%
XYZ	61.6072, 83.6296, 68.1584
YIQ	221.6350, -36.9020, -36.0860

Conversions

Conversions Part 2

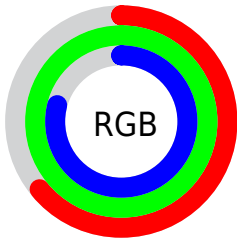
Format	Color
RYB	164, 229, 255
Decimal	10813385
CIELab	93.29, -38.36, 17.34
CIELCh	93, 42.099, 155.672
Yxy	83.6296, 0.2887, 0.3919
Android (android.graphics.Color)	4289003465 (0xFFA4FFC9)
YUV	221.6350, -10.1731, -50.5459
Hunter-Lab	91.4492, -39.7848, 19.8247

Details

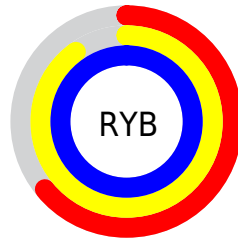
The Yxy color **83.6296, 0.2887, 0.3919** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.8570, 0.3480, 0.2739**, and the grayscale version is **72.8605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **45.6829, 0.2823, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **80.5032, 0.2834, 0.4135**, and if you desaturate by 10%, it is **87.3628, 0.2949, 0.3719**.

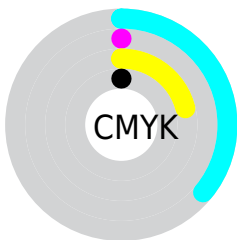
Distribution



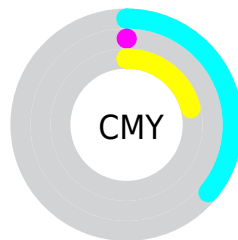
- Red (64%)
- Green (100%)
- Blue (79%)



- Red (64%)
- Yellow (90%)
- 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 83.6296, 0.2887, 0.3919 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 83.6296, 0.2887, 0.3919 by changing the saturation by 10% instead.

 83.6296, 0.2887,
0.3919


 83.6296, 0.2887,
0.3919


507.0824, 0.3002,
0.3622

 62.7097, 0.2860,
0.3988


 138.4569, 0.2927,
0.3815

 45.6064, 0.2826,
0.4074


 173.1331, 0.2943,
0.3775

 31.9353, 0.2783,
0.4184


213.1635, 0.2956,
0.3740

 21.3121, 0.2725,
0.4330

258.9325, 0.2968,
0.3710

 13.3523, 0.2644,
0.4531

310.8245, 0.2978,
0.3684

 7.6716, 0.2524,
0.4826

369.2239, 0.2987,

 3.8855, 0.2329,

0.3661

0.5296

434.5151, 0.2995,
0.3640

■ 1.6097, 0.1877,
0.6541

■ 0.3642, 0.0000,
1.0000

■ 83.6296, 0.2887,
0.3919

■ 83.6296, 0.2887,
0.3919

■ 80.5032, 0.2834,
0.4135

■ 87.3628, 0.2949,
0.3719

■ 77.9595, 0.2792,
0.4363

■ 91.7454, 0.3016,
0.3537

■ 75.9568, 0.2766,
0.4598

■ 96.8035, 0.3087,
0.3375

■ 74.4517, 0.2759,
0.4831

100.0000, 0.3127,
0.3290

■ 73.3943, 0.2771,
0.5054

■ 72.7227, 0.2801,
0.5259

■ 72.5149, 0.2817,
0.5341

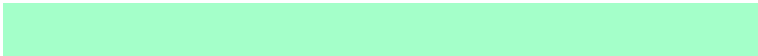
Harmonies

Analogous

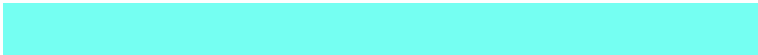
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6296, 0.3364, 0.4155



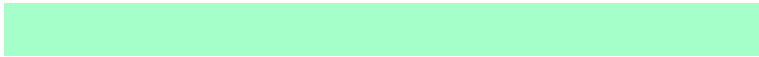
83.6296, 0.2887, 0.3919



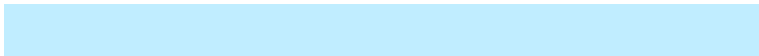
83.6296, 0.2495, 0.3471

Triad

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



83.6296, 0.2887, 0.3919



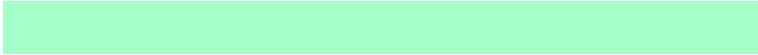
83.6296, 0.2462, 0.2522



83.6296, 0.4060, 0.3461

Complementary

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



83.6296, 0.2887, 0.3919



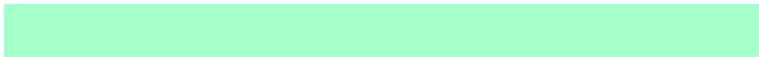
52.8570, 0.3480, 0.2739

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.



83.6296, 0.3781, 0.3081



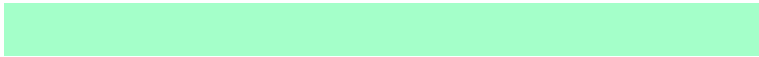
83.6296, 0.2887, 0.3919



83.6296, 0.2836, 0.2562

Square

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



83.6296, 0.2887, 0.3919



83.6296, 0.2266, 0.2668



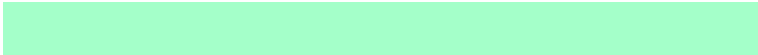
83.6296, 0.3321, 0.2762



83.6296, 0.4060, 0.3832

Rectangle

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



83.6296, 0.2887, 0.3919



83.6296, 0.2327, 0.3149



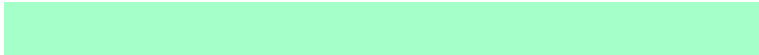
83.6296, 0.3321, 0.2762



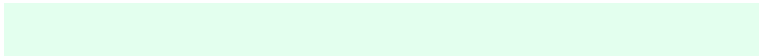
83.6296, 0.3995, 0.3332

Sweetspot

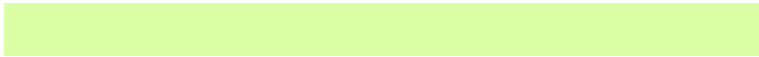
The Sweet Spot groups the original color and five complimentary colors.



83.6261, 0.2887, 0.3919



94.0373, 0.3049, 0.3459



89.1948, 0.3419, 0.4262



19.9830, 0.3040, 0.3481



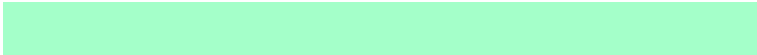
0.0000, 0.0000, 0.0000



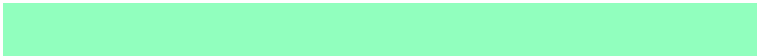
21.4041, 0.3127, 0.3290

Same Dimension

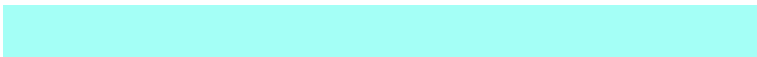
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6261, 0.2887, 0.3919



81.2881, 0.2847, 0.4075



86.0560, 0.2666, 0.3390



20.2907, 0.3060, 0.3434



37.9184, 0.2808, 0.5310



3.7130, 0.2746, 0.5084

Inverse Universe

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



52.8570, 0.3480, 0.2739



46.2899, 0.3581, 0.2627



50.8173, 0.3903, 0.3196



18.1679, 0.3201, 0.3150



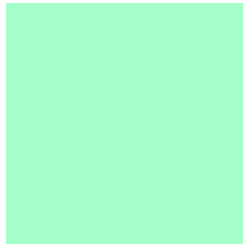
12.3106, 0.4573, 0.2293



1.2203, 0.4374, 0.2183

Previews

White Background



This preview shows how the Yxy color 83.6296, 0.2887, 0.3919 looks on a white background.

Color Contrast Check

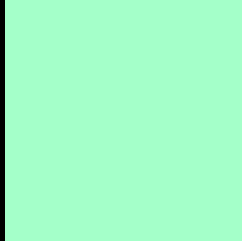
Large Text (above 18pt) WCAG AA × Fail

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 83.6296, 0.2887, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

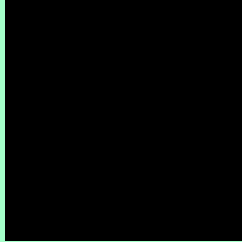
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6296, 0.2887, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 83.6296, 0.2887, 0.3919.

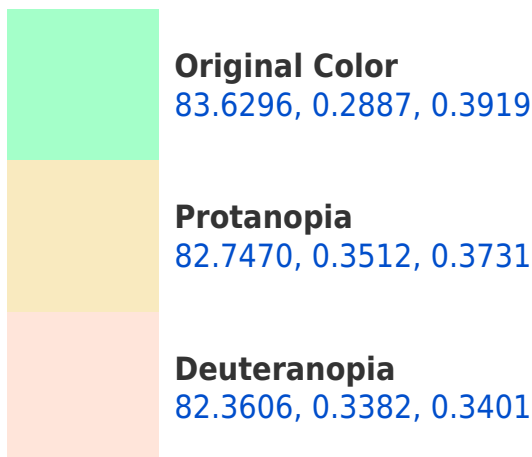


This preview shows how white text looks on a background with the Yxy color 83.6296, 0.2887, 0.3919.

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

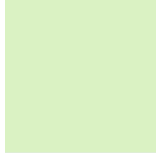
83.1418, 0.2801, 0.3152

Trichromacy



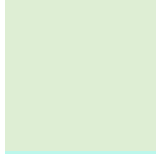
Original Color

83.6296, 0.2887, 0.3919



Protanomaly

82.3498, 0.3254, 0.3801



Deuteranomaly

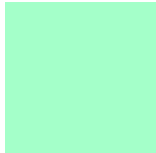
81.4321, 0.3181, 0.3569



Tritanomaly

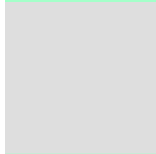
83.2111, 0.2837, 0.3421

Monochromacy



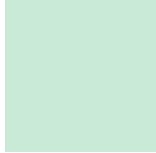
Original Color

83.6296, 0.2887, 0.3919



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1182, 0.3031, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6296, 0.2887, 0.3919 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(164, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 201) }
```

Border

The CSS property to change the border of an element to Yxy 83.6296, 0.2887, 0.3919 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(164, 255, 201) }
```

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

```
.border{ border-color:rgb(164, 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(164, 255, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6296, 0.2887, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 201) }
```

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

```
.background{ background-color: rgb(164,  
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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