

Converting Colors

Yxy(83.4339, 0.2932, 0.4007)

Have a look what the booklet for
Yxy(83.4339, 0.2932, 0.4007)
contains.

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Color

Yxy(83.4144, 0.2928, 0.4004)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFC2
RGB	165, 255, 194
RGB Percent	65%, 100%, 76%
CMY	0.3533, 0.0000, 0.2393
CMYK	0.35, 0.00, 0.24, 0.00
HSL	139°, 100%, 82%
HSV	139°, 35%, 100%
XYZ	60.9983, 83.4144, 63.9149
YIQ	221.1360, -34.0590, -38.0510

Conversions

Conversions Part 2

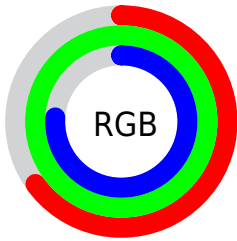
Format	Color
RYB	165, 233, 255
Decimal	10878914
CIELab	93.20, -39.39, 20.81
CIELCh	93, 44.545, 152.152
Yxy	83.4144, 0.2928, 0.4004
Android (android.graphics.Color)	4289068994 (0xFFA5FFC2)
YUV	221.1360, -13.3780, -49.2313
Hunter-Lab	91.3315, -40.6138, 22.4401

Details

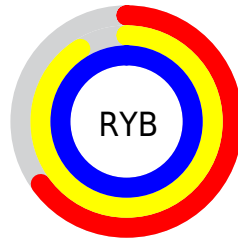
The Yxy color **83.4144, 0.2928, 0.4004** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.6228, 0.3409, 0.2672**, and the grayscale version is **72.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0146, 0.2950, 0.3330**, and **45.5328, 0.2873, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **80.2070, 0.2883, 0.4252**, and if you desaturate by 10%, it is **87.2354, 0.2980, 0.3774**.

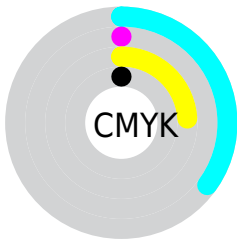
Distribution



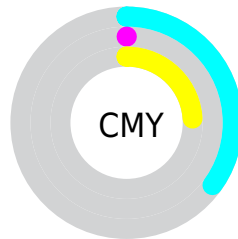
- Red (65%)
- Green (100%)
- Blue (76%)



- Red (65%)
- Yellow (91%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4144, 0.2928, 0.4004 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 83.4144, 0.2928, 0.4004 by changing the saturation by 10% instead.


 83.4144, 0.2928,
0.4004


 83.4144, 0.2928,
0.4004


506.3666, 0.3026,
0.3665

 62.5321, 0.2904,
0.4083


 138.1557, 0.2963,
0.3885

 45.4628, 0.2874,
0.4182


 172.7835, 0.2976,
0.3839

 31.8221, 0.2835,
0.4308


212.7619, 0.2988,
0.3800

 21.2256, 0.2782,
0.4476

258.4752, 0.2998,
0.3766

 13.2890, 0.2706,
0.4708

310.3080, 0.3006,
0.3736

 7.6279, 0.2590,
0.5048

368.6445, 0.3014,

 3.8578, 0.2395,

0.3710

0.5588

433.8693, 0.3020,
0.3686

■ 1.5943, 0.1979,
0.7391

■ 0.3538, 0.0000,
1.0000

■ 83.4144, 0.2928,
0.4004

■ 83.4144, 0.2928,
0.4004

■ 80.2070, 0.2883,
0.4252

■ 87.2354, 0.2980,
0.3774

■ 77.6098, 0.2848,
0.4512

■ 91.7352, 0.3037,
0.3566

■ 75.5729, 0.2827,
0.4778

■ 96.9334, 0.3096,
0.3380

■ 74.0520, 0.2823,
0.5037

100.0000, 0.3127,
0.3290

■ 72.9959, 0.2836,
0.5277

■ 72.3420, 0.2865,
0.5487

■ 72.1339, 0.2881,
0.5573

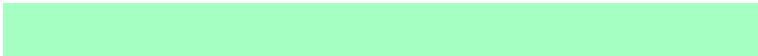
Harmonies

Analogous

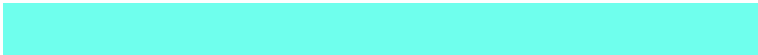
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4144, 0.3433, 0.4218



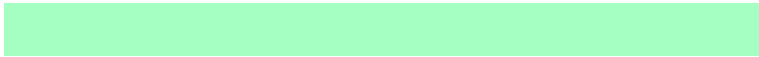
83.4144, 0.2928, 0.4004



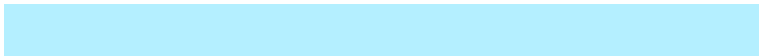
83.4144, 0.2499, 0.3542

Triad

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



83.4144, 0.2928, 0.4004



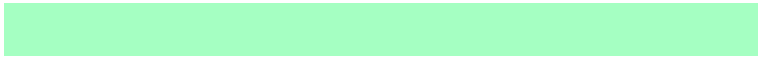
83.4144, 0.2390, 0.2488



83.4144, 0.4095, 0.3419

Complementary

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



83.4144, 0.2928, 0.4004



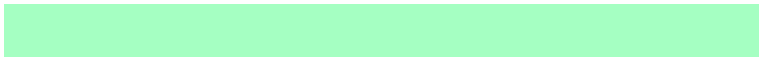
53.6228, 0.3409, 0.2672

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.



83.4144, 0.3770, 0.3024



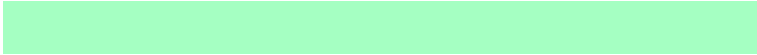
83.4144, 0.2928, 0.4004



83.4144, 0.2764, 0.2510

Square

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



83.4144, 0.2928, 0.4004



83.4144, 0.2210, 0.2663



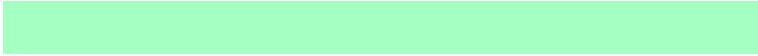
83.4144, 0.3268, 0.2702



83.4144, 0.4129, 0.3816

Rectangle

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



83.4144, 0.2928, 0.4004



83.4144, 0.2307, 0.3196



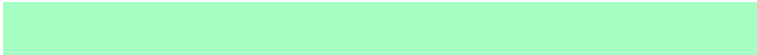
83.4144, 0.3268, 0.2702



83.4144, 0.4016, 0.3283

Sweetspot

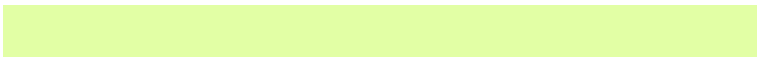
The Sweet Spot groups the original color and five complimentary colors.



83.4036, 0.2928, 0.4004



93.8991, 0.3063, 0.3483



90.4780, 0.3466, 0.4235



19.9502, 0.3055, 0.3509



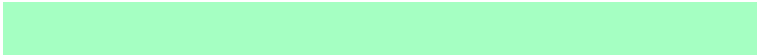
0.0000, 0.0000, 0.0000



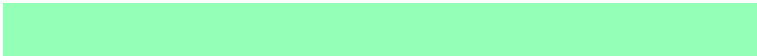
21.4041, 0.3127, 0.3290

Same Dimension

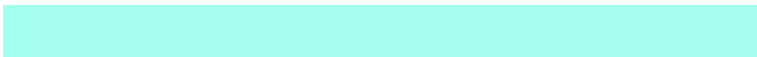
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4036, 0.2928, 0.4004



81.2034, 0.2897, 0.4167



85.7107, 0.2706, 0.3473



20.2648, 0.3071, 0.3455



37.7156, 0.2873, 0.5544



3.6912, 0.2811, 0.5318

Inverse Universe

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



53.6228, 0.3409, 0.2672



47.5986, 0.3480, 0.2557



51.4898, 0.3819, 0.3119



18.1948, 0.3188, 0.3130



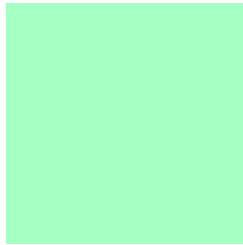
12.7076, 0.4236, 0.2107



1.2573, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 83.4144, 0.2928, 0.4004 looks on a white background.

Color Contrast Check

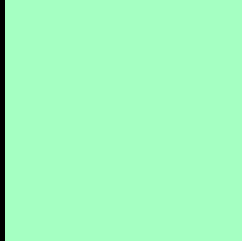
Large Text (above 18pt) WCAG AA × Fail

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 83.4144, 0.2928, 0.4004 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 83.4144, 0.2928, 0.4004

Background



This preview shows how black text looks on a background with the Yxy color 83.4144, 0.2928, 0.4004.

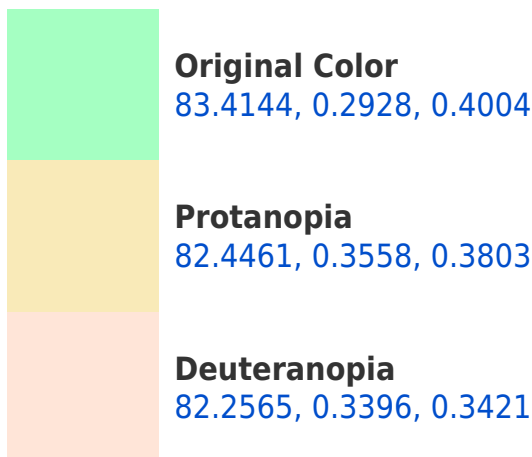


This preview shows how white text looks on a background with the Yxy color 83.4144, 0.2928, 0.4004.

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

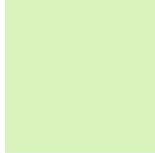
83.1418, 0.2801, 0.3152

Trichromacy



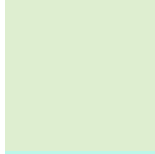
Original Color

83.4144, 0.2928, 0.4004



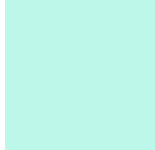
Protanomaly

82.0405, 0.3297, 0.3879



Deuteranomaly

81.2327, 0.3206, 0.3612



Tritanomaly

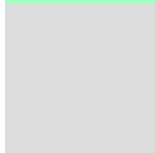
83.0961, 0.2847, 0.3444

Monochromacy



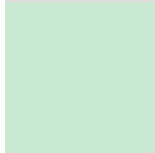
Original Color

83.4144, 0.2928, 0.4004



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3985, 0.3049, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4144, 0.2928, 0.4004 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(165, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 194)  
}
```

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(165, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 83.4144, 0.2928, 0.4004 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(165, 255, 194) }
```

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

```
.border{ border-color:rgb(165, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4144, 0.2928, 0.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 194) }
```

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

```
.background{ background-color: rgb(165,  
255, 194) }
```

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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