

Converting Colors

$Yxy(83.4946, 0.2933, 0.4003)$

Have a look what the booklet for
Yxy(83.4946, 0.2933, 0.4003)
contains.

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Color

Yxy(83.5220, 0.2934, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFC2
RGB	166, 255, 194
RGB Percent	65%, 100%, 76%
CMY	0.3488, 0.0000, 0.2391
CMYK	0.35, 0.00, 0.24, 0.00
HSL	139°, 100%, 83%
HSV	139°, 35%, 100%
XYZ	61.2328, 83.5220, 63.9459
YIQ	221.4350, -33.4630, -37.8390

Conversions

Conversions Part 2

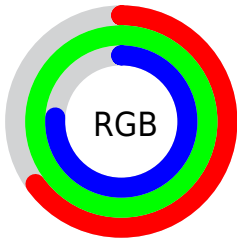
Format	Color
R _Y B	166, 234, 255
Decimal	10944450
CIE Lab	93.24, -39.04, 20.86
CIE LCh	93, 44.262, 151.879
Yxy	83.5220, 0.2934, 0.4002
Android (android.graphics.Color)	4289134530 (0xFFA6FFC2)
YUV	221.4350, -13.5255, -48.6165
Hunter-Lab	91.3904, -40.3358, 22.4880

Details

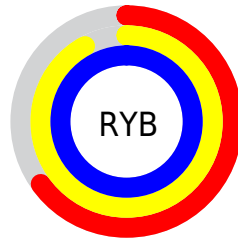
The Yxy color **83.5220, 0.2934, 0.4002** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.0965, 0.3398, 0.2673**, and the grayscale version is **72.7527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1730, 0.2956, 0.3330**, and **45.6611, 0.2885, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **80.2966, 0.2889, 0.4252**, and if you desaturate by 10%, it is **87.3931, 0.2986, 0.3771**.

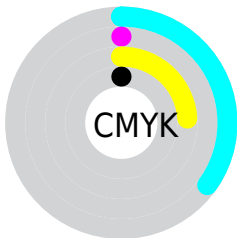
Distribution



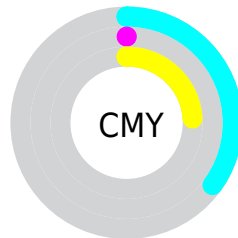
- Red (65%)
- Green (100%)
- Blue (76%)



- Red (65%)
- Yellow (92%)
- 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 83.5220, 0.2934, 0.4002 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 83.5220, 0.2934, 0.4002 by changing the saturation by 10% instead.


 83.5220, 0.2934,
0.4002


 83.5220, 0.2934,
0.4002

506.7246, 0.3029,
0.3664

 62.6209, 0.2911,
0.4081


 138.3063, 0.2968,
0.3883

 45.5346, 0.2882,
0.4179


 172.9583, 0.2981,
0.3838

 31.8787, 0.2843,
0.4305


212.9627, 0.2992,
0.3799

 21.2689, 0.2791,
0.4472


258.7039, 0.3002,
0.3765

 13.3207, 0.2717,
0.4703

310.5663, 0.3010,
0.3735

 7.6497, 0.2604,
0.5041


368.9343, 0.3017,


 3.8716, 0.2413,


0.3709


0.5578


434.1922, 0.3024,
0.3685


 1.6020, 0.2020,
0.7348


 0.3590, 0.0000,
1.0000


 83.5220, 0.2934,
0.4002


 83.5220, 0.2934,
0.4002


 80.2966, 0.2889,
0.4252


 87.3931, 0.2986,
0.3771

 77.6707, 0.2855,
0.4516

 91.9323, 0.3042,
0.3561

 75.6088, 0.2833,
0.4784

 97.1736, 0.3099,
0.3373

 74.0667, 0.2828,
0.5045

99.9971, 0.3127,
0.3290

■ 72.9934, 0.2841,
0.5288

■ 72.3268, 0.2869,
0.5499

■ 72.0992, 0.2887,
0.5594

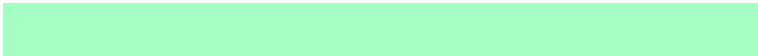
Harmonies

Analogous

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



83.5220, 0.3436, 0.4212



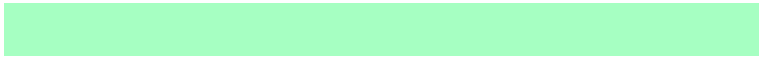
83.5220, 0.2934, 0.4002



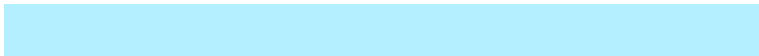
83.5220, 0.2506, 0.3545

Triad

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



83.5220, 0.2934, 0.4002



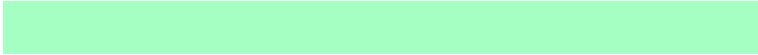
83.5220, 0.2392, 0.2494



83.5220, 0.4087, 0.3415

Complementary

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



83.5220, 0.2934, 0.4002



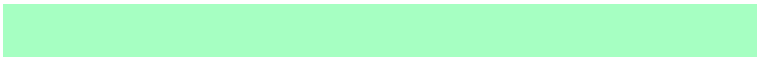
54.0965, 0.3398, 0.2673

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.



83.5220, 0.3761, 0.3023



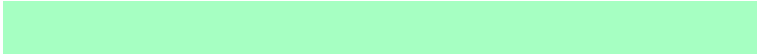
83.5220, 0.2934, 0.4002



83.5220, 0.2763, 0.2513

Square

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



83.5220, 0.2934, 0.4002



83.5220, 0.2215, 0.2670



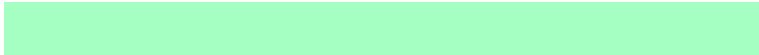
83.5220, 0.3263, 0.2703



83.5220, 0.4124, 0.3810

Rectangle

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



83.5220, 0.2934, 0.4002



83.5220, 0.2314, 0.3202



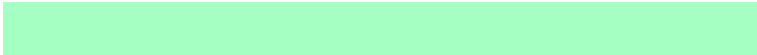
83.5220, 0.3263, 0.2703



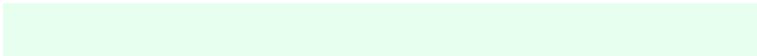
83.5220, 0.4007, 0.3280

Sweetspot

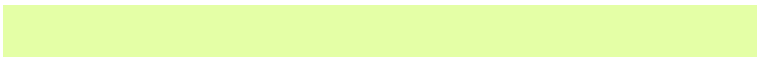
The Sweet Spot groups the original color and five complimentary colors.



83.5255, 0.2934, 0.4002



94.4053, 0.3070, 0.3466



90.8170, 0.3472, 0.4219



20.0507, 0.3061, 0.3493



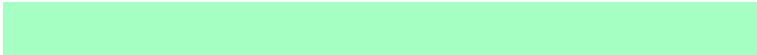
0.0000, 0.0000, 0.0000



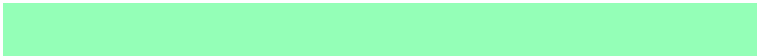
21.4041, 0.3127, 0.3290

Same Dimension

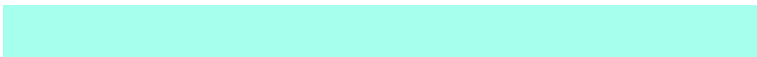
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5255, 0.2934, 0.4002



81.1668, 0.2901, 0.4178



85.7558, 0.2717, 0.3488



20.2623, 0.3072, 0.3457



37.6986, 0.2879, 0.5565



3.6893, 0.2817, 0.5340

Inverse Universe

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



54.0965, 0.3398, 0.2673



47.6457, 0.3472, 0.2549



52.0033, 0.3793, 0.3105



18.1974, 0.3186, 0.3128



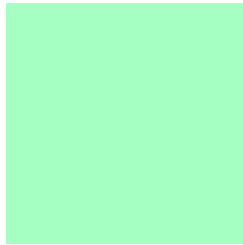
12.7502, 0.4204, 0.2090



1.2612, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 83.5220, 0.2934, 0.4002 looks on a white background.

Color Contrast Check

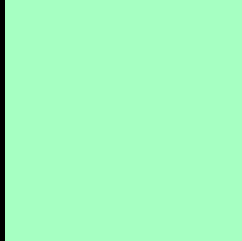
Large Text (above 18pt) WCAG AA × Fail

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 83.5220, 0.2934, 0.4002 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 83.5220, 0.2934, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 83.5220, 0.2934, 0.4002.

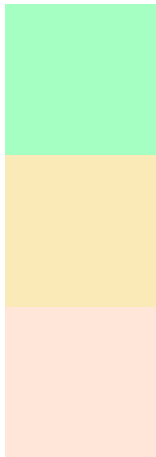


This preview shows how white text looks on a background with the Yxy color 83.5220, 0.2934, 0.4002.

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

83.5220, 0.2934, 0.4002

Protanopia

82.6303, 0.3566, 0.3802

Deuteranopia

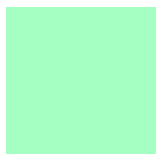
82.8115, 0.3394, 0.3431



Tritanopia

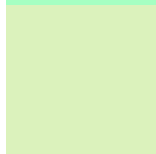
83.2808, 0.2807, 0.3152

Trichromacy



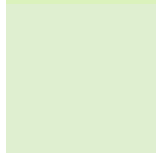
Original Color

83.5220, 0.2934, 0.4002



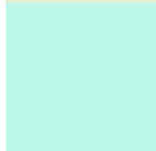
Protanomaly

82.1952, 0.3304, 0.3877



Deuteranomaly

81.9750, 0.3211, 0.3622



Tritanomaly

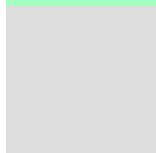
83.2235, 0.2853, 0.3443

Monochromacy



Original Color

83.5220, 0.2934, 0.4002



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 83.5220, 0.2934, 0.4002 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(166, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 83.5220, 0.2934, 0.4002 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(166, 255, 194) }
```

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

```
.border{ border-color:rgb(166, 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(166, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5220, 0.2934, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 194) }
```

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

```
.background{ background-color: rgb(166,  
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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