

Converting Colors

Yxy(84.2044, 0.2983, 0.4020)

Have a look what the booklet for
Yxy(84.2044, 0.2983, 0.4020)
contains.

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Color

Yxy(84.2100, 0.2983, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFC0
RGB	173, 255, 192
RGB Percent	68%, 100%, 75%
CMY	0.3216, 0.0000, 0.2471
CMYK	0.32, 0.00, 0.25, 0.00
HSL	134°, 100%, 84%
HSV	134°, 32%, 100%
XYZ	62.5027, 84.2100, 62.8170
YIQ	223.3000, -28.6490, -36.9770

Conversions

Conversions Part 2

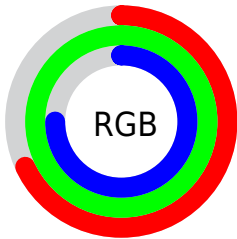
Format	Color
RYB	173, 240, 255
Decimal	11403200
CIELab	93.54, -37.36, 22.37
CIELCh	94, 43.546, 149.090
Yxy	84.2100, 0.2983, 0.4019
Android (android.graphics.Color)	4289593280 (0xFFADFFC0)
YUV	223.3000, -15.4309, -44.1131
Hunter-Lab	91.7660, -39.0124, 23.6501

Details

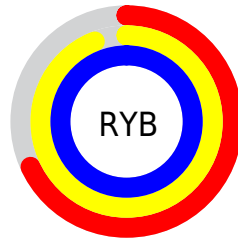
The Yxy color **84.2100, 0.2983, 0.4019** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.1958, 0.3315, 0.2658**, and the grayscale version is **74.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1825, 0.3009, 0.3350**, and **46.0747, 0.2944, 0.4205** is the 20% darker color. If you saturate the color by 10%, you get **80.7611, 0.2945, 0.4295**, and if you desaturate by 10%, it is **88.3232, 0.3026, 0.3764**.

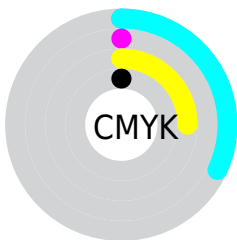
Distribution



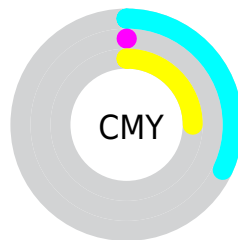
- Red (68%)
- Green (100%)
- Blue (75%)



- Red (68%)
- Yellow (94%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2100, 0.2983, 0.4019 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 84.2100, 0.2983, 0.4019 by changing the saturation by 10% instead.


 84.2100, 0.2983,
0.4019

 84.2100, 0.2983,
0.4019


509.0103, 0.3056,
0.3674

 63.1888, 0.2965,
0.4099

 139.2689, 0.3010,
0.3898

 45.9940, 0.2941,
0.4200


174.0754, 0.3020,
0.3851

 32.2411, 0.2910,
0.4328


214.2458, 0.3028,
0.3811

 21.5457, 0.2867,
0.4497

260.1646, 0.3036,
0.3776

 13.5235, 0.2805,
0.4731

312.2160, 0.3042,
0.3746

 7.7900, 0.2707,
0.5072


370.7845, 0.3047,


 3.9609, 0.2538,


0.3719


0.5610


436.2545, 0.3052,
0.3695


 1.6517, 0.2297,
0.7397


 0.3921, 0.0000,
1.0000


 84.2100, 0.2983,
0.4019


 84.2100, 0.2983,
0.4019


 80.7611, 0.2945,
0.4295


 88.3232, 0.3026,
0.3764

 77.9493, 0.2914,
0.4587

 93.1431, 0.3072,
0.3535

 75.7320, 0.2893,
0.4882

 98.6980, 0.3117,
0.3331

 74.0649, 0.2886,
0.5166

100.0000, 0.3127,
0.3290

■ 72.8973, 0.2893,
0.5424

■ 72.1687, 0.2914,
0.5639

■ 71.8365, 0.2936,
0.5771

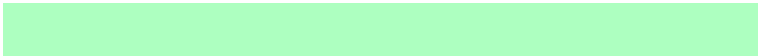
Harmonies

Analogous

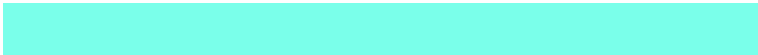
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2100, 0.3476, 0.4197



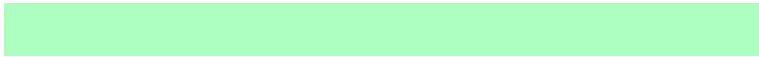
84.2100, 0.2983, 0.4019



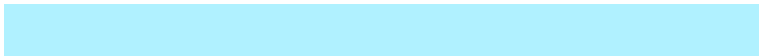
84.2100, 0.2550, 0.3587

Triad

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



84.2100, 0.2983, 0.4019



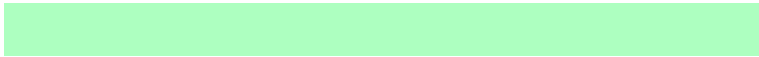
84.2100, 0.2381, 0.2516



84.2100, 0.4050, 0.3377

Complementary

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



84.2100, 0.2983, 0.4019



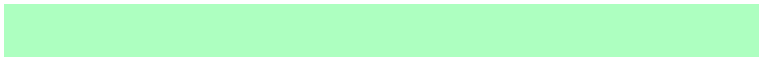
57.1958, 0.3315, 0.2658

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.



84.2100, 0.3709, 0.2995



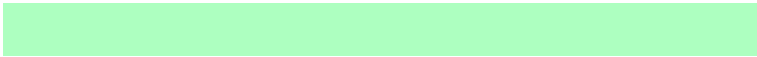
84.2100, 0.2983, 0.4019



84.2100, 0.2729, 0.2517

Square

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



84.2100, 0.2983, 0.4019



84.2100, 0.2225, 0.2708



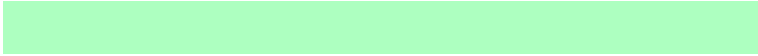
84.2100, 0.3213, 0.2690



84.2100, 0.4115, 0.3768

Rectangle

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



84.2100, 0.2983, 0.4019



84.2100, 0.2350, 0.3250



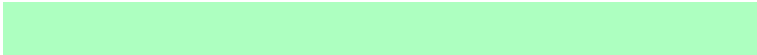
84.2100, 0.3213, 0.2690



84.2100, 0.3963, 0.3245

Sweetspot

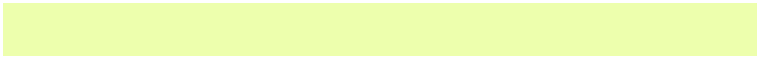
The Sweet Spot groups the original color and five complimentary colors.



84.2070, 0.2983, 0.4019



94.2821, 0.3081, 0.3488



92.5804, 0.3493, 0.4130



20.0211, 0.3075, 0.3518



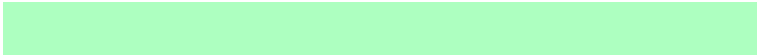
0.0000, 0.0000, 0.0000



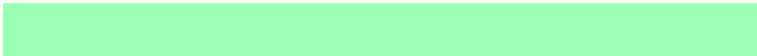
21.4041, 0.3127, 0.3290

Same Dimension

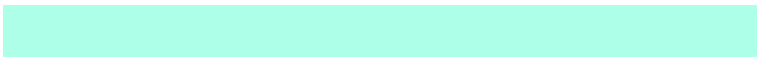
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2070, 0.2983, 0.4019



81.7812, 0.2956, 0.4206



86.2147, 0.2779, 0.3548



20.2371, 0.3084, 0.3478



37.5549, 0.2930, 0.5746



3.6725, 0.2872, 0.5541

Inverse Universe

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



57.1958, 0.3315, 0.2658



50.7102, 0.3366, 0.2525



55.1352, 0.3659, 0.3049



18.2241, 0.3174, 0.3109



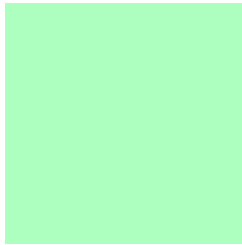
13.2137, 0.3900, 0.1922



1.3032, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 84.2100, 0.2983, 0.4019 looks on a white background.

Color Contrast Check

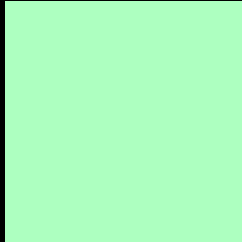
Large Text (above 18pt) WCAG AA × Fail

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 84.2100, 0.2983, 0.4019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

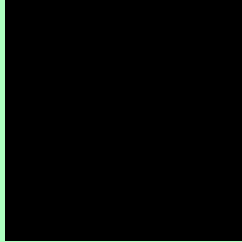
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2100, 0.2983, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 84.2100, 0.2983, 0.4019.

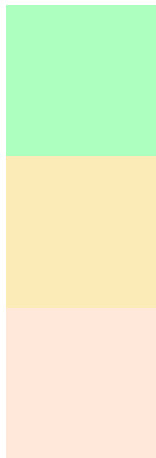


This preview shows how white text looks on a background with the Yxy color 84.2100, 0.2983, 0.4019.

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

84.2100, 0.2983, 0.4019

Protanopia

83.3448, 0.3577, 0.3820

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

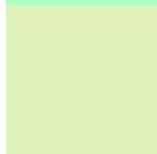
83.8461, 0.2830, 0.3153

Trichromacy



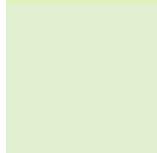
Original Color

84.2100, 0.2983, 0.4019



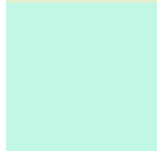
Protanomaly

82.7374, 0.3344, 0.3894



Deuteranomaly

82.8818, 0.3224, 0.3631



Tritanomaly

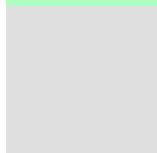
83.8171, 0.2887, 0.3453

Monochromacy



Original Color

84.2100, 0.2983, 0.4019



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1493, 0.3069, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2100, 0.2983, 0.4019 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(173, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 192)  
}
```

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(173, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 192) }
```

Border

The CSS property to change the border of an element to Yxy 84.2100, 0.2983, 0.4019 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(173, 255, 192) }
```

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

```
.border{ border-color:rgb(173, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2100, 0.2983, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 192) }
```

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

```
.background{ background-color: rgb(173,  
255, 192) }
```

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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