

Converting Colors

$Y_{xy}(100.0000, 0.2971, 0.4219)$

Have a look what the booklet for
Yxy(100.0000, 0.2971, 0.4219)
contains.

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Color

Yxy(84.1857, 0.2967, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFC2
RGB	172, 255, 194
RGB Percent	67%, 100%, 76%
CMY	0.3255, 0.0000, 0.2393
CMYK	0.33, 0.00, 0.24, 0.00
HSL	136°, 100%, 84%
HSV	136°, 33%, 100%
XYZ	62.5073, 84.1857, 63.9820
YIQ	223.2290, -29.8870, -36.5670

Conversions

Conversions Part 2

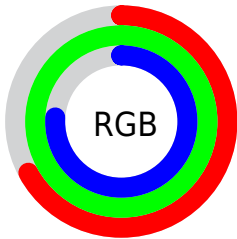
Format	Color
RYB	172, 238, 255
Decimal	11337666
CIELab	93.53, -37.31, 21.33
CIElCh	94, 42.972, 150.243
Yxy	84.1857, 0.2967, 0.3996
Android (android.graphics.Color)	4289527746 (0xFFACFFC2)
YUV	223.2290, -14.4099, -44.9278
Hunter-Lab	91.7528, -38.9629, 22.8822

Details

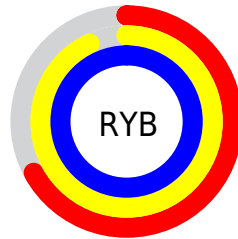
The Yxy color **84.1857, 0.2967, 0.3996** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.6452, 0.3340, 0.2676**, and the grayscale version is **74.0792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1430, 0.2992, 0.3330**, and **46.0635, 0.2924, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **80.7806, 0.2925, 0.4261**, and if you desaturate by 10%, it is **88.2469, 0.3014, 0.3752**.

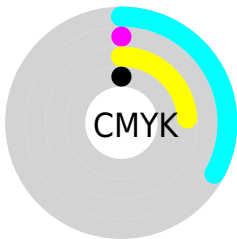
Distribution



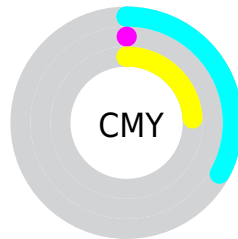
- Red (67%)
- Green (100%)
- Blue (76%)



- Red (67%)
- Yellow (93%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1857, 0.2967, 0.3996 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 84.1857, 0.2967, 0.3996 by changing the saturation by 10% instead.

 84.1857, 0.2967,
0.3996

 84.1857, 0.2967,
0.3996

508.9297, 0.3047,
0.3662

 63.1688, 0.2947,
0.4074


 139.2349, 0.2996,
0.3879

 45.9778, 0.2922,
0.4171


174.0360, 0.3007,
0.3834

 32.2283, 0.2889,
0.4295


214.2005, 0.3016,
0.3795

 21.5359, 0.2844,
0.4459

260.1130, 0.3024,
0.3761

 13.5163, 0.2779,
0.4685

312.1578, 0.3031,
0.3732

 7.7850, 0.2679,
0.5015


370.7192, 0.3037,


 3.9577, 0.2508,


0.3706


0.5537

436.1817, 0.3042,
0.3683


 1.6499, 0.2228,
0.7164


 0.3909, 0.0000,
1.0000


 84.1857, 0.2967,
0.3996


 84.1857, 0.2967,
0.3996


 80.7806, 0.2925,
0.4261


 88.2469, 0.3014,
0.3752

 78.0013, 0.2892,
0.4540

 93.0027, 0.3064,
0.3532

 75.8070, 0.2871,
0.4825

 98.4819, 0.3114,
0.3336

 74.1538, 0.2863,
0.5102

100.0000, 0.3127,
0.3290

■ 72.9915, 0.2872,
0.5356

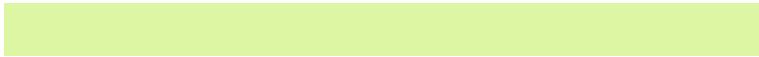
■ 72.2602, 0.2895,
0.5574

■ 71.9320, 0.2918,
0.5706

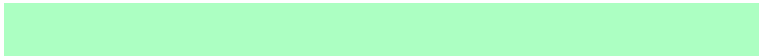
Harmonies

Analogous

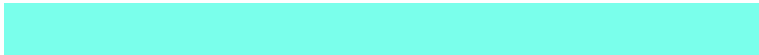
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1857, 0.3454, 0.4184



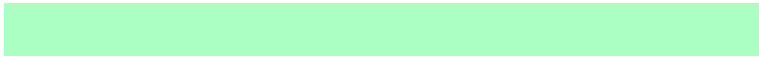
84.1857, 0.2967, 0.3996



84.1857, 0.2544, 0.3564

Triad

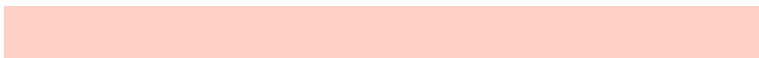
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1857, 0.2967, 0.3996



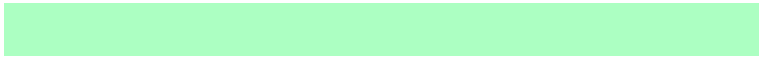
84.1857, 0.2400, 0.2522



84.1857, 0.4045, 0.3392

Complementary

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



84.1857, 0.2967, 0.3996



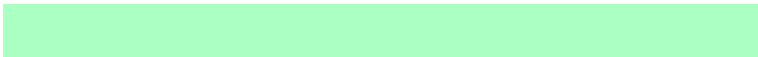
56.6452, 0.3340, 0.2676

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.



84.1857, 0.3718, 0.3012



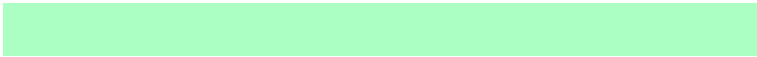
84.1857, 0.2967, 0.3996



84.1857, 0.2751, 0.2530

Square

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



84.1857, 0.2967, 0.3996



84.1857, 0.2238, 0.2705



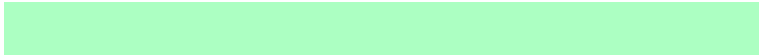
84.1857, 0.3232, 0.2706



84.1857, 0.4098, 0.3777

Rectangle

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



84.1857, 0.2967, 0.3996



84.1857, 0.2350, 0.3232



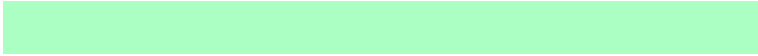
84.1857, 0.3232, 0.2706



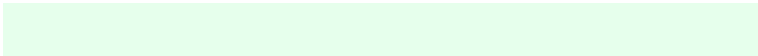
84.1857, 0.3963, 0.3261

Sweetspot

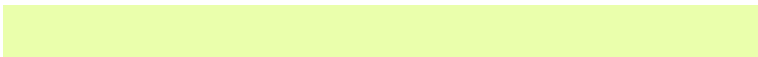
The Sweet Spot groups the original color and five complimentary colors.



84.1838, 0.2967, 0.3996



94.3314, 0.3077, 0.3480



92.0326, 0.3479, 0.4146



20.0330, 0.3070, 0.3508



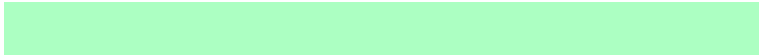
0.0000, 0.0000, 0.0000



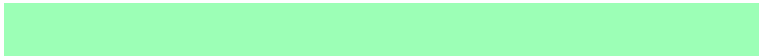
21.4041, 0.3127, 0.3290

Same Dimension

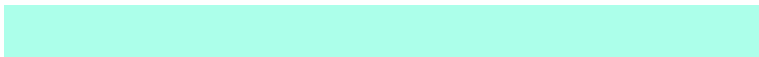
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1838, 0.2967, 0.3996



81.9162, 0.2939, 0.4165



86.2444, 0.2761, 0.3520



20.2472, 0.3079, 0.3470



37.6068, 0.2911, 0.5679



3.6788, 0.2851, 0.5464

Inverse Universe

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



56.6452, 0.3340, 0.2676



50.5240, 0.3395, 0.2555



54.6003, 0.3694, 0.3075



18.2134, 0.3179, 0.3117



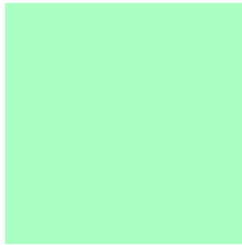
13.0195, 0.4019, 0.1987



1.2857, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 84.1857, 0.2967, 0.3996 looks on a white background.

Color Contrast Check

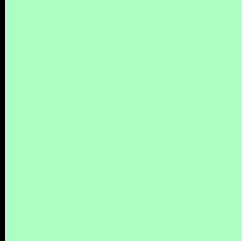
Large Text (above 18pt) WCAG AA × Fail

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 84.1857, 0.2967, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

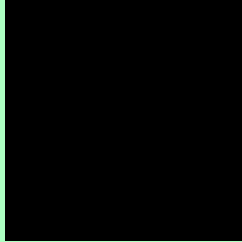
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

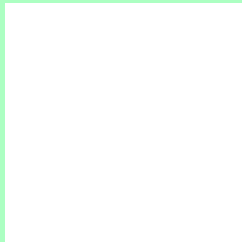
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1857, 0.2967, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 84.1857, 0.2967, 0.3996.

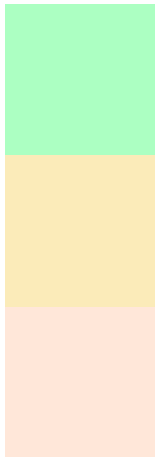


This preview shows how white text looks on a background with the Yxy color 84.1857, 0.2967, 0.3996.

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

84.1857, 0.2967, 0.3996

Protanopia

83.4287, 0.3564, 0.3800

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

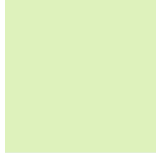
83.8461, 0.2830, 0.3153

Trichromacy



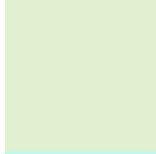
Original Color

84.1857, 0.2967, 0.3996



Protanomaly

82.6647, 0.3325, 0.3873



Deuteranomaly

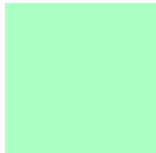
82.9312, 0.3218, 0.3620



Tritanomaly

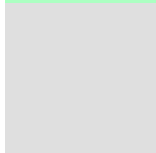
83.8741, 0.2882, 0.3442

Monochromacy



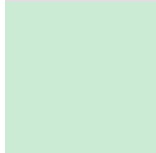
Original Color

84.1857, 0.2967, 0.3996



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0075, 0.3062, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1857, 0.2967, 0.3996 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(172, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 84.1857, 0.2967, 0.3996 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(172, 255, 194) }
```

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

```
.border{ border-color:rgb(172, 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(172, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1857, 0.2967, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 194) }
```

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

```
.background{ background-color: rgb(172,  
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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