

Converting Colors

$Yxy(85.0220, 0.3182, 0.4255)$

Have a look what the booklet for
Yxy(85.0220, 0.3182, 0.4255)
contains.

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Color

Yxy(84.9871, 0.3182, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	BBFFAA
RGB	187, 255, 170
RGB Percent	73%, 100%, 67%
CMY	0.2667, 0.0000, 0.3333
CMYK	0.27, 0.00, 0.33, 0.00
HSL	108°, 100%, 83%
HSV	108°, 33%, 100%
XYZ	63.5108, 84.9871, 51.0960
YIQ	224.9780, -13.2430, -40.8510

Conversions

Conversions Part 2

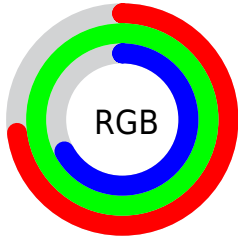
Format	Color
RYB	170, 255, 238
Decimal	12320682
CIELab	93.88, -36.48, 34.02
CIElCh	94, 49.888, 136.998
Yxy	84.9871, 0.3182, 0.4258
Android (android.graphics.Color)	4290510762 (0xFFBBFFAA)
YUV	224.9780, -27.1042, -33.3067
Hunter-Lab	92.1884, -38.3569, 31.6700

Details

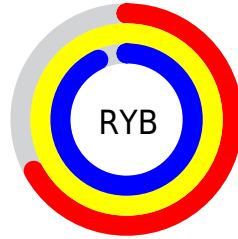
The Yxy color **84.9871, 0.3182, 0.4258** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.1577, 0.3031, 0.2425**, and the grayscale version is **75.4855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4235, 0.3233, 0.3577**, and **46.5781, 0.3178, 0.4497** is the 20% darker color. If you saturate the color by 10%, you get **81.7213, 0.3188, 0.4597**, and if you desaturate by 10%, it is **88.8077, 0.3170, 0.3936**.

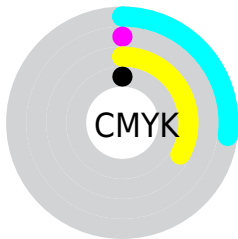
Distribution



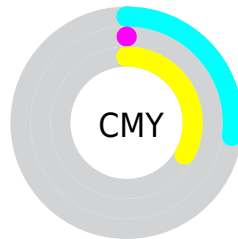
- Red (73%)
- Green (100%)
- Blue (67%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9871, 0.3182, 0.4258 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 84.9871, 0.3182, 0.4258 by changing the saturation by 10% instead.


 84.9871, 0.3182,
0.4258

 84.9871, 0.3182,
0.4258


511.5854, 0.3172,
0.3800

 63.8307, 0.3180,
0.4364


 140.3552, 0.3182,
0.4097

 46.5136, 0.3176,
0.4496


175.3356, 0.3180,
0.4035

 32.6513, 0.3168,
0.4664


215.6929, 0.3179,
0.3982

 21.8594, 0.3151,
0.4884

261.8114, 0.3178,
0.3936

 13.7537, 0.3118,
0.5182

314.0755, 0.3176,
0.3895

 7.9495, 0.3049,
0.5604

372.8696, 0.3175,

 4.0627, 0.2927,

0.3860

0.6299

438.5781, 0.3173,
0.3828

1.7087, 0.2500,
0.7500

0.4293, 0.0000,
1.0000

84.9871, 0.3182,
0.4258

84.9871, 0.3182,
0.4258

81.7213, 0.3188,
0.4597

88.8077, 0.3170,
0.3936

78.9811, 0.3187,
0.4937

93.2046, 0.3153,
0.3639

76.7391, 0.3175,
0.5259

98.2017, 0.3134,
0.3372

74.9642, 0.3153,
0.5539

100.0000, 0.3127,
0.3290

■ 73.6213, 0.3122,
0.5756

■ 72.6699, 0.3085,
0.5897

■ 72.2227, 0.3060,
0.5953

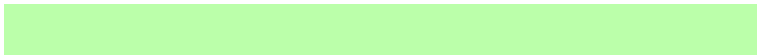
Harmonies

Analogous

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



84.9871, 0.3728, 0.4308



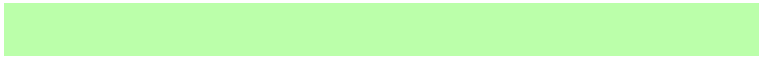
84.9871, 0.3182, 0.4258



84.9871, 0.2648, 0.3856

Triad

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



84.9871, 0.3182, 0.4258



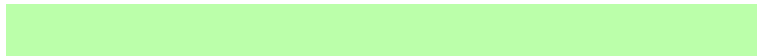
84.9871, 0.2187, 0.2472



84.9871, 0.4058, 0.3201

Complementary

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



84.9871, 0.3182, 0.4258



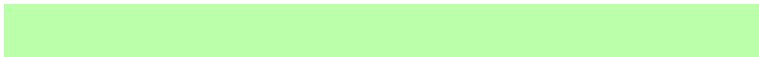
54.1577, 0.3031, 0.2425

Split Complementary

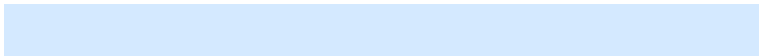
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9871, 0.3571, 0.2803



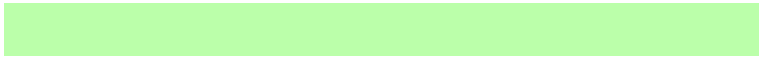
84.9871, 0.3182, 0.4258



84.9871, 0.2492, 0.2394

Square

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



84.9871, 0.3182, 0.4258



84.9871, 0.2107, 0.2773



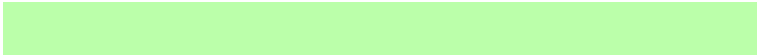
84.9871, 0.2988, 0.2516



84.9871, 0.4266, 0.3645

Rectangle

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



84.9871, 0.3182, 0.4258



84.9871, 0.2370, 0.3473



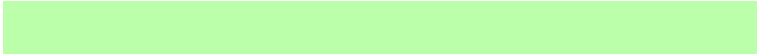
84.9871, 0.2988, 0.2516



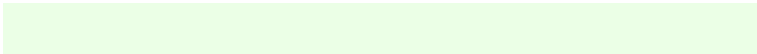
84.9871, 0.3919, 0.3060

Sweetspot

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



84.9881, 0.3182, 0.4258



94.7985, 0.3147, 0.3547



85.3146, 0.3682, 0.3973



20.1448, 0.3149, 0.3586



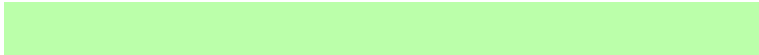
0.0000, 0.0000, 0.0000



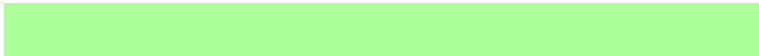
21.4041, 0.3127, 0.3290

Same Dimension

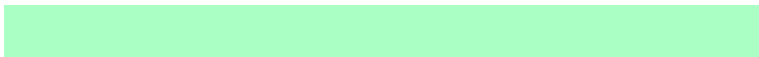
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9881, 0.3182, 0.4258



82.7478, 0.3187, 0.4483



84.0318, 0.2948, 0.3980



20.3428, 0.3146, 0.3534



37.7869, 0.3068, 0.5946



3.7223, 0.3136, 0.5892

Inverse Universe

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



54.1577, 0.3031, 0.2425



47.5996, 0.3004, 0.2249



55.7027, 0.3372, 0.2690



18.1063, 0.3106, 0.3054



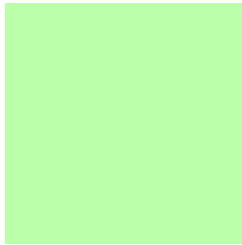
10.5482, 0.2707, 0.1265



1.0714, 0.2767, 0.1298

Previews

White Background



This preview shows how the Yxy color 84.9871, 0.3182, 0.4258 looks on a white background.

Color Contrast Check

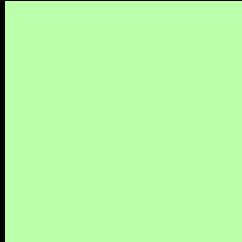
Large Text (above 18pt) WCAG AA × Fail

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 84.9871, 0.3182, 0.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

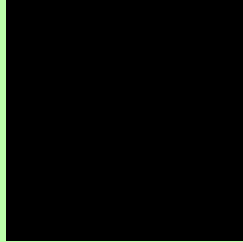
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9871, 0.3182, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 84.9871, 0.3182, 0.4258.

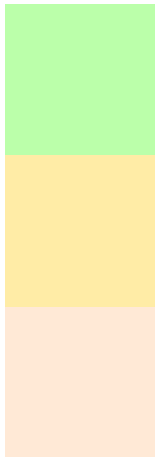


This preview shows how white text looks on a background with the Yxy color 84.9871, 0.3182, 0.4258.

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

84.9871, 0.3182, 0.4258

Protanopia

84.0041, 0.3715, 0.3995

Deuteranopia

84.3929, 0.3403, 0.3481



Tritanopia

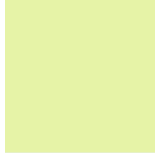
84.4267, 0.2877, 0.3144

Trichromacy



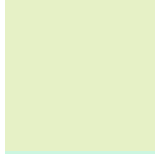
Original Color

84.9871, 0.3182, 0.4258



Protanomaly

83.7142, 0.3507, 0.4097



Deuteranomaly

83.8108, 0.3319, 0.3745



Tritanomaly

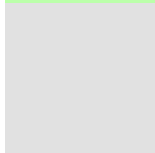
84.1307, 0.2991, 0.3528

Monochromacy



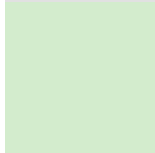
Original Color

84.9871, 0.3182, 0.4258



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2476, 0.3151, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9871, 0.3182, 0.4258 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(187, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 170)  
}
```

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(187, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 84.9871, 0.3182, 0.4258 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(187, 255, 170) }
```

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

```
.border{ border-color:rgb(187, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9871, 0.3182, 0.4258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 170) }
```

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

```
.background{ background-color: rgb(187,  
255, 170) }
```

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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