

Converting Colors

Yxy(81.9208, 0.2964, 0.3864)

Have a look what the booklet for
Yxy(81.9208, 0.2964, 0.3864)
contains.

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Color

Yxy(81.8885, 0.2963, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	B1FAC8
RGB	177, 250, 200
RGB Percent	69%, 98%, 78%
CMY	0.3058, 0.0196, 0.2158
CMYK	0.29, 0.00, 0.20, 0.02
HSL	139°, 88%, 84%
HSV	139°, 29%, 98%
XYZ	62.7452, 81.8885, 67.1287
YIQ	222.4730, -27.4580, -31.0260

Conversions

Conversions Part 2

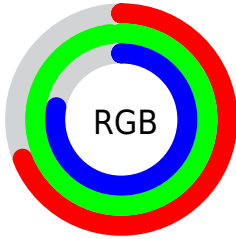
Format	Color
RYB	177, 233, 250
Decimal	11664072
CIELab	92.53, -32.42, 16.89
CIELCh	93, 36.558, 152.479
Yxy	81.8885, 0.2963, 0.3867
Android (android.graphics.Color)	4289854152 (0xFFB1FAC8)
YUV	222.4730, -11.0792, -39.8798
Hunter-Lab	90.4923, -34.5938, 19.3623

Details

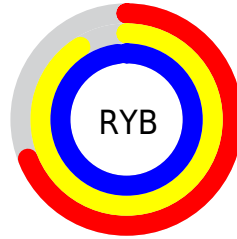
The Yxy color **81.8885, 0.2963, 0.3867** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.3296, 0.3343, 0.2776**, and the grayscale version is **73.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **44.3528, 0.2917, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **78.4627, 0.2914, 0.4107**, and if you desaturate by 10%, it is **85.9487, 0.3017, 0.3648**.

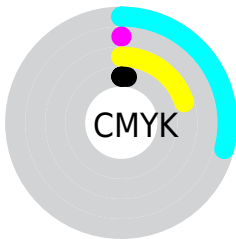
Distribution



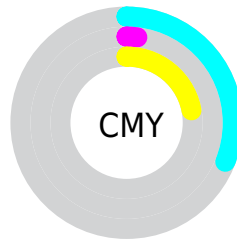
- Red (69%)
- Green (98%)
- Blue (78%)



- Red (69%)
- Yellow (91%)
- Blue (98%)



- Cyan (29%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)





- Cyan (31%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8885, 0.2963, 0.3867 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 81.8885, 0.2963, 0.3867 by changing the saturation by 10% instead.


 81.8885, 0.2963,
0.3867

 81.8885, 0.2963,
0.3867


501.2747, 0.3043,
0.3595

 61.2736, 0.2944,
0.3930


 136.0176, 0.2991,
0.3771

 44.4460, 0.2920,
0.4010


170.3007, 0.3002,
0.3735

 31.0213, 0.2888,
0.4111


209.9086, 0.3011,
0.3703

 20.6151, 0.2846,
0.4245

255.2257, 0.3019,
0.3676

 12.8429, 0.2787,
0.4430

306.6365, 0.3026,
0.3652

 7.3205, 0.2696,
0.4702


364.5253, 0.3033,


 3.6633, 0.2545,

0.3630

0.5136


429.2766, 0.3038,
0.3612


 1.4871, 0.2248,
0.6348

 0.2796, 0.0000,
1.0000


 81.8885, 0.2963,
0.3867

 81.8885, 0.2963,
0.3867


 78.4627, 0.2914,
0.4107


 85.9487, 0.3017,
0.3648


 75.6287, 0.2873,
0.4363

 90.6631, 0.3074,
0.3451

 73.3547, 0.2844,
0.4630

 96.0631, 0.3132,
0.3277

 71.6014, 0.2829,
0.4896

 96.8520, 0.3129,
0.3242

■ 70.3244, 0.2832,
0.5151

■ 69.4714, 0.2851,
0.5382

■ 68.9645, 0.2884,
0.5577

■ 68.9311, 0.2887,
0.5592

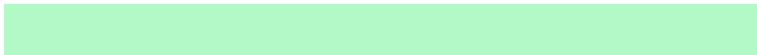
Harmonies

Analogous

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



81.8885, 0.3384, 0.4048



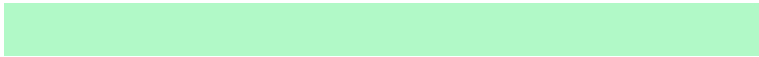
81.8885, 0.2963, 0.3867



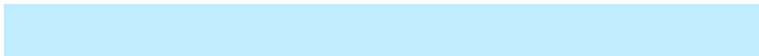
81.8885, 0.2603, 0.3495

Triad

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



81.8885, 0.2963, 0.3867



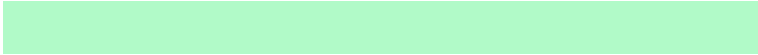
81.8885, 0.2514, 0.2618



81.8885, 0.3926, 0.3411

Complementary

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



81.8885, 0.2963, 0.3867



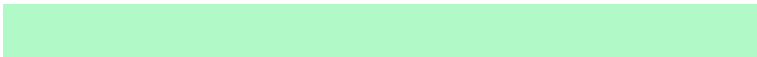
57.3296, 0.3343, 0.2776

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.



81.8885, 0.3662, 0.3075



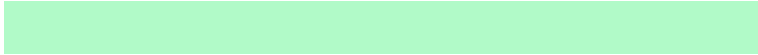
81.8885, 0.2963, 0.3867



81.8885, 0.2832, 0.2634

Square

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



81.8885, 0.2963, 0.3867



81.8885, 0.2358, 0.2770



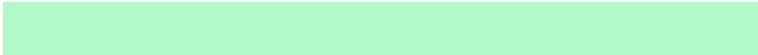
81.8885, 0.3252, 0.2799



81.8885, 0.3956, 0.3742

Rectangle

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



81.8885, 0.2963, 0.3867



81.8885, 0.2440, 0.3215



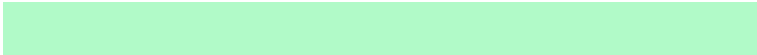
81.8885, 0.3252, 0.2799



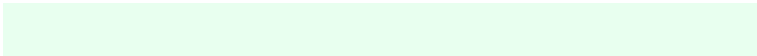
81.8885, 0.3861, 0.3296

Sweetspot

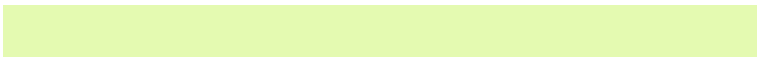
The Sweet Spot groups the original color and five complimentary colors.



81.8919, 0.2963, 0.3867



94.9320, 0.3075, 0.3448



88.0596, 0.3419, 0.4060



20.1558, 0.3067, 0.3475



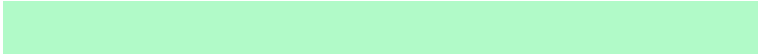
0.0000, 0.0000, 0.0000



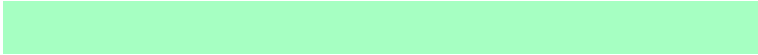
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8919, 0.2963, 0.3867



83.4869, 0.2933, 0.4005



83.7445, 0.2777, 0.3451



19.3992, 0.3073, 0.3457



36.5856, 0.2879, 0.5563



3.4067, 0.2813, 0.5327

Inverse Universe

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



57.3296, 0.3343, 0.2776



53.9839, 0.3399, 0.2671



55.5698, 0.3648, 0.3137



17.4262, 0.3186, 0.3129



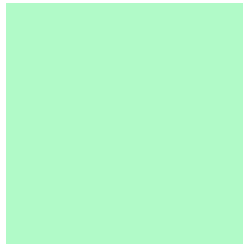
12.3749, 0.4203, 0.2089



1.1653, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 81.8885, 0.2963, 0.3867 looks on a white background.

Color Contrast Check

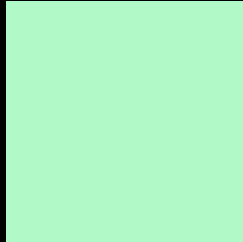
Large Text (above 18pt) WCAG AA × Fail

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 81.8885, 0.2963, 0.3867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

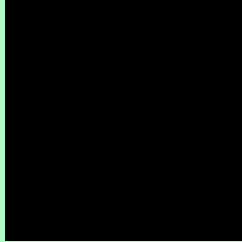
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8885, 0.2963, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 81.8885, 0.2963, 0.3867.

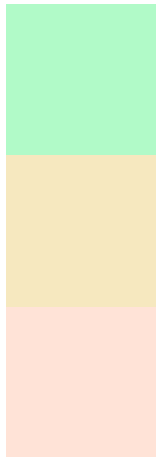


This preview shows how white text looks on a background with the Yxy color 81.8885, 0.2963, 0.3867.

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

81.8885, 0.2963, 0.3867

Protanopia

81.0676, 0.3494, 0.3714

Deuteranopia

81.1045, 0.3406, 0.3411



Tritanopia

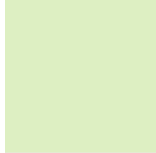
81.8195, 0.2794, 0.3130

Trichromacy



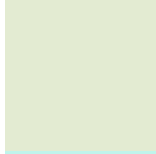
Original Color

81.8885, 0.2963, 0.3867



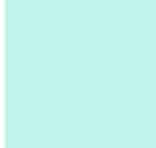
Protanomaly

81.0002, 0.3285, 0.3778



Deuteranomaly

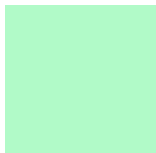
80.4007, 0.3230, 0.3557



Tritanomaly

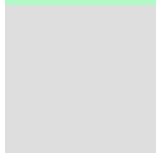
81.9060, 0.2858, 0.3388

Monochromacy



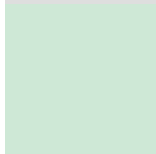
Original Color

81.8885, 0.2963, 0.3867



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.6901, 0.3064, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8885, 0.2963, 0.3867 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(177, 250, 200)` looks like.

```
.text, #text, p{  
    color:rgb(177, 250, 200)  
}
```

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(177, 250, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 250, 200) }
```

Border

The CSS property to change the border of an element to Yxy 81.8885, 0.2963, 0.3867 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(177, 250, 200) }
```

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

```
.border{ border-color:rgb(177, 250, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 250, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 250, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 250, 200);  
box-shadow:4px 4px 4px 4px rgb(177, 250,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8885, 0.2963, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 250, 200) }
```

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

```
.background{ background-color: rgb(177,  
250, 200) }
```

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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