

Converting Colors

$Yxy(81.9131, 0.2880, 0.4067)$

Have a look what the booklet for
Yxy(81.9131, 0.2880, 0.4067)
contains.

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Color

Yxy(81.9131, 0.2880, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	98FFBE
RGB	152, 255, 190
RGB Percent	60%, 100%, 75%
CMY	0.4039, 0.0000, 0.2547
CMYK	0.40, 0.00, 0.25, 0.00
HSL	142°, 100%, 80%
HSV	142°, 40%, 100%
XYZ	58.0058, 81.9131, 61.4902
YIQ	216.7930, -40.5230, -42.0510

Conversions

Conversions Part 2

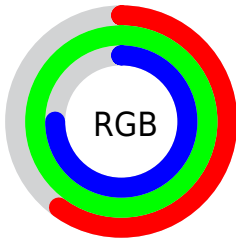
Format	Color
RYB	152, 227, 255
Decimal	10026942
CIELab	92.54, -43.72, 21.82
CIELCh	93, 48.859, 153.479
Yxy	81.9131, 0.2880, 0.4067
Android (android.graphics.Color)	4288217022 (0xFF98FFBE)
YUV	216.7930, -13.2089, -56.8235
Hunter-Lab	90.5059, -43.9834, 23.0721

Details

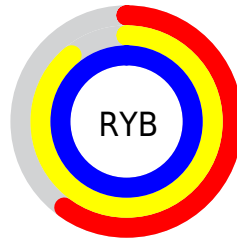
The Yxy color **81.9131, 0.2880, 0.4067** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.7233, 0.3507, 0.2629**, and the grayscale version is **69.3538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8755, 0.2908, 0.3383**, and **44.5986, 0.2814, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **79.0479, 0.2835, 0.4304**, and if you desaturate by 10%, it is **85.3878, 0.2934, 0.3845**.

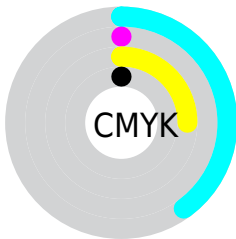
Distribution



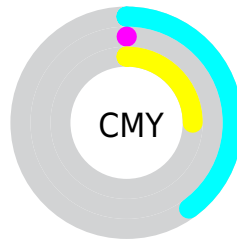
- Red (60%)
- Green (100%)
- Blue (75%)



- Red (60%)
- Yellow (89%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9131, 0.2880, 0.4067 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 81.9131, 0.2880, 0.4067 by changing the saturation by 10% instead.


 81.9131, 0.2880,
0.4067

 81.9131, 0.2880,
0.4067


501.3570, 0.3001,
0.3696

 61.2939, 0.2851,
0.4154


 136.0521, 0.2924,
0.3936

 44.4624, 0.2813,
0.4264


 170.3408, 0.2940,
0.3886

 31.0342, 0.2765,
0.4404


209.9547, 0.2954,
0.3843

 20.6249, 0.2699,
0.4591

255.2782, 0.2966,
0.3805

 12.8501, 0.2605,
0.4851

306.6958, 0.2977,
0.3773

 7.3254, 0.2463,
0.5234


364.5919, 0.2986,


 3.6664, 0.2223,


0.3744


0.5848

429.3508, 0.2994,
0.3719

 1.4888, 0.1447,
0.8553

 0.2808, 0.0000,
1.0000


 81.9131, 0.2880,
0.4067


 81.9131, 0.2880,
0.4067


 79.0479, 0.2835,
0.4304


 85.3878, 0.2934,
0.3845


 76.7509, 0.2804,
0.4551

 89.5011, 0.2995,
0.3642

 74.9828, 0.2789,
0.4799

 94.2854, 0.3059,
0.3459

 73.6970, 0.2792,
0.5040

 99.7698, 0.3125,
0.3296

■ 72.8381, 0.2813,
0.5262

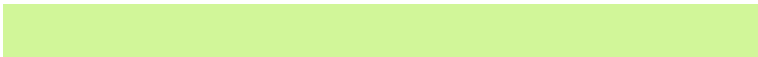
100.0000, 0.3127,
0.3290

■ 72.3314, 0.2847,
0.5450

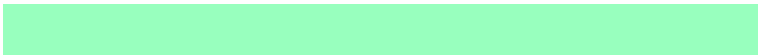
Harmonies

Analogous

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



81.9131, 0.3434, 0.4317



81.9131, 0.2880, 0.4067



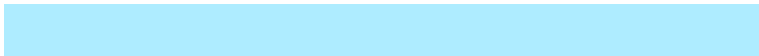
81.9131, 0.2419, 0.3540

Triad

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



81.9131, 0.2880, 0.4067



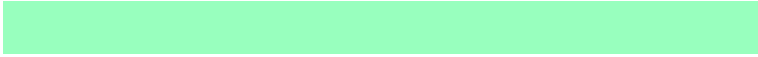
81.9131, 0.2334, 0.2410



81.9131, 0.4205, 0.3444

Complementary

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



81.9131, 0.2880, 0.4067



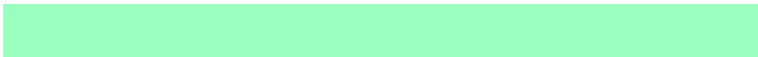
48.7233, 0.3507, 0.2629

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.



81.9131, 0.3857, 0.3014



81.9131, 0.2880, 0.4067



81.9131, 0.2749, 0.2445

Square

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



81.9131, 0.2880, 0.4067



81.9131, 0.2129, 0.2586



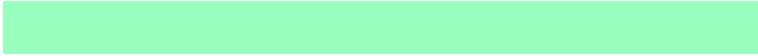
81.9131, 0.3306, 0.2661



81.9131, 0.4224, 0.3876

Rectangle

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



81.9131, 0.2880, 0.4067



81.9131, 0.2218, 0.3157



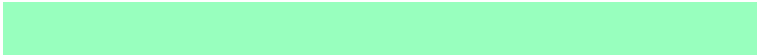
81.9131, 0.3306, 0.2661



81.9131, 0.4122, 0.3296

Sweetspot

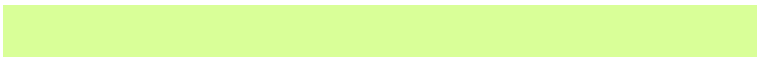
The Sweet Spot groups the original color and five complimentary colors.



81.9146, 0.2880, 0.4067



93.4701, 0.3049, 0.3487



88.5743, 0.3474, 0.4389



19.8674, 0.3040, 0.3510



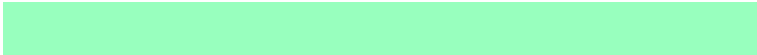
0.0000, 0.0000, 0.0000



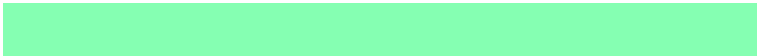
21.4041, 0.3127, 0.3290

Same Dimension

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



81.9146, 0.2880, 0.4067



79.6806, 0.2845, 0.4246



84.5620, 0.2632, 0.3444



20.2791, 0.3065, 0.3444



37.8210, 0.2839, 0.5419



3.7027, 0.2775, 0.5192

Inverse Universe

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



48.7233, 0.3507, 0.2629



42.5686, 0.3608, 0.2510



46.4591, 0.4020, 0.3148



18.1799, 0.3195, 0.3141



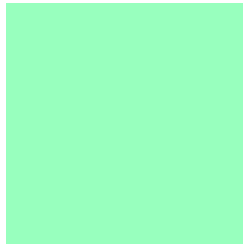
12.4799, 0.4419, 0.2208



1.2362, 0.4244, 0.2112

Previews

White Background



This preview shows how the Yxy color 81.9131, 0.2880, 0.4067 looks on a white background.

Color Contrast Check

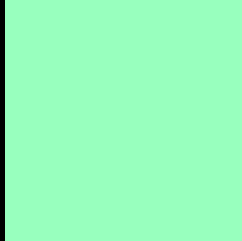
Large Text (above 18pt) WCAG AA × Fail

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 81.9131, 0.2880, 0.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

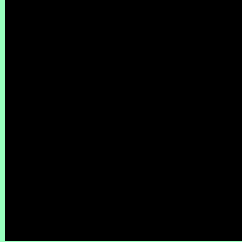
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9131, 0.2880, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 81.9131, 0.2880, 0.4067.

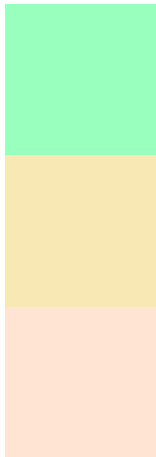


This preview shows how white text looks on a background with the Yxy color 81.9131, 0.2880, 0.4067.

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

81.9131, 0.2880, 0.4067

Protanopia

80.9244, 0.3589, 0.3837

Deuteranopia

80.9013, 0.3433, 0.3452



Tritanopia

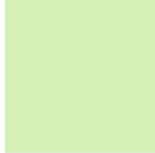
81.3371, 0.2749, 0.3139

Trichromacy



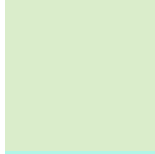
Original Color

81.9131, 0.2880, 0.4067



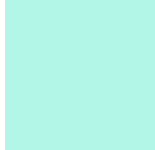
Protanomaly

79.8852, 0.3296, 0.3921



Deuteranomaly

79.7856, 0.3210, 0.3660



Tritanomaly

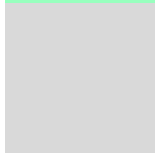
81.0282, 0.2796, 0.3458

Monochromacy



Original Color

81.9131, 0.2880, 0.4067



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.9943, 0.3021, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9131, 0.2880, 0.4067 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(152, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 190)  
}
```

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(152, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 81.9131, 0.2880, 0.4067 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(152, 255, 190) }
```

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

```
.border{ border-color:rgb(152, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9131, 0.2880, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 190) }
```

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

```
.background{ background-color: rgb(152,  
255, 190) }
```

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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