

Converting Colors

$Yxy(81.1117, 0.2867, 0.4127)$

Have a look what the booklet for
Yxy(81.1117, 0.2867, 0.4127)
contains.

Yxy(81.0849, 0.2865, 0.4126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.0849, 0.2865, 0.4126)

Conversions

Conversions Part 1

Format	Color
Hex	91FFBA
RGB	145, 255, 186
RGB Percent	57%, 100%, 73%
CMY	0.4312, 0.0000, 0.2706
CMYK	0.43, 0.00, 0.27, 0.00
HSL	142°, 100%, 78%
HSV	142°, 43%, 100%
XYZ	56.3035, 81.0849, 59.1334
YIQ	214.2440, -43.4110, -44.7790

Conversions

Conversions Part 2

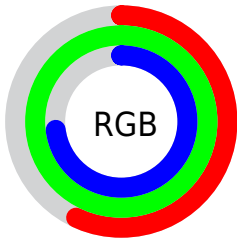
Format	Color
RYB	145, 225, 255
Decimal	9568186
CIELab	92.17, -46.33, 23.32
CIELCh	92, 51.866, 153.276
Yxy	81.0849, 0.2865, 0.4126
Android (android.graphics.Color)	4287758266 (0xFF91FFBA)
YUV	214.2440, -13.9243, -60.7270
Hunter-Lab	90.0472, -45.9724, 24.0976

Details

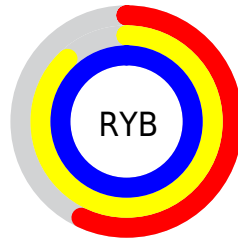
The Yxy color **81.0849, 0.2865, 0.4126** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.3783, 0.3545, 0.2589**, and the grayscale version is **67.5417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6273, 0.2889, 0.3426**, and **44.1079, 0.2789, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **78.3818, 0.2823, 0.4365**, and if you desaturate by 10%, it is **84.3898, 0.2917, 0.3901**.

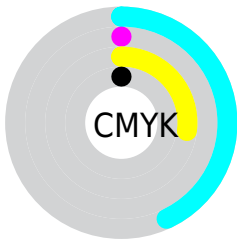
Distribution



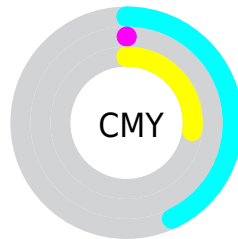
- Red (57%)
- Green (100%)
- Blue (73%)



- Red (57%)
- Yellow (88%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0849, 0.2865, 0.4126 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 81.0849, 0.2865, 0.4126 by changing the saturation by 10% instead.


 81.0849, 0.2865,
0.4126

 81.0849, 0.2865,
0.4126


498.5815, 0.2995,
0.3725

 60.6115, 0.2833,
0.4221

 134.8900, 0.2912,
0.3984

 43.9117, 0.2793,
0.4340


 168.9905, 0.2929,
0.3930

 30.6011, 0.2740,
0.4493


208.4021, 0.2944,
0.3883

 20.2953, 0.2668,
0.4697

253.5093, 0.2957,
0.3843

 12.6099, 0.2566,
0.4982

304.6965, 0.2969,
0.3808

 7.1605, 0.2408,
0.5404


362.3479, 0.2978,


 3.5627, 0.2142,


0.3777


0.6078


426.8482, 0.2987,
0.3749

 1.4321, 0.0946,
0.9054


 0.2402, 0.0000,
1.0000


 81.0849, 0.2865,
0.4126


 81.0849, 0.2865,
0.4126


 78.3818, 0.2823,
0.4365


 84.3898, 0.2917,
0.3901


 76.2343, 0.2796,
0.4612

 88.3222, 0.2977,
0.3693

 74.6029, 0.2785,
0.4858

 92.9166, 0.3041,
0.3506

 73.4392, 0.2793,
0.5094

 98.2026, 0.3107,
0.3338

■ 72.6845, 0.2819,
0.5309

100.0000, 0.3127,
0.3290

■ 72.3459, 0.2845,
0.5441

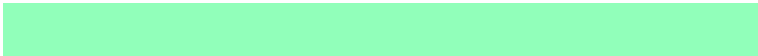
Harmonies

Analogous

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



81.0849, 0.3452, 0.4388



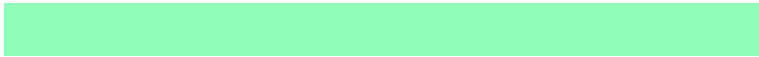
81.0849, 0.2865, 0.4126



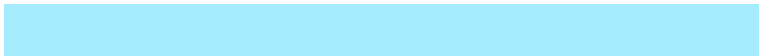
81.0849, 0.2377, 0.3560

Triad

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



81.0849, 0.2865, 0.4126



81.0849, 0.2285, 0.2359



81.0849, 0.4274, 0.3444

Complementary

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



81.0849, 0.2865, 0.4126



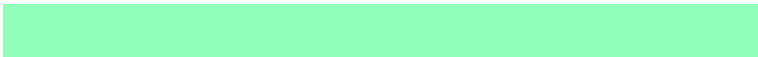
46.3783, 0.3545, 0.2589

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.



81.0849, 0.3901, 0.2993



81.0849, 0.2865, 0.4126



81.0849, 0.2720, 0.2396

Square

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



81.0849, 0.2865, 0.4126



81.0849, 0.2072, 0.2542



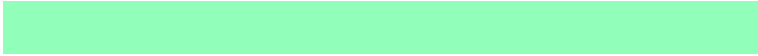
81.0849, 0.3312, 0.2622



81.0849, 0.4294, 0.3902

Rectangle

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



81.0849, 0.2865, 0.4126



81.0849, 0.2165, 0.3148



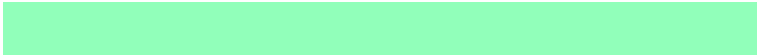
81.0849, 0.3312, 0.2622



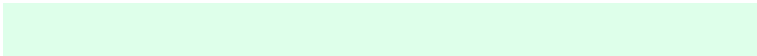
81.0849, 0.4186, 0.3289

Sweetspot

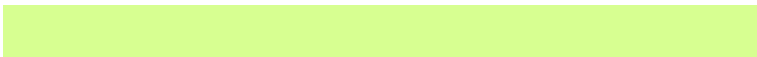
The Sweet Spot groups the original color and five complimentary colors.



81.0878, 0.2865, 0.4126



92.9778, 0.3042, 0.3504



87.9639, 0.3494, 0.4467



19.6711, 0.3027, 0.3543



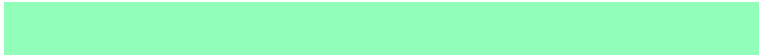
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.0878, 0.2865, 0.4126



78.6574, 0.2827, 0.4338



83.8542, 0.2606, 0.3456



20.2801, 0.3064, 0.3443



37.8287, 0.2836, 0.5411



3.7036, 0.2773, 0.5183

Inverse Universe

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



46.3783, 0.3545, 0.2589



39.7148, 0.3669, 0.2455



44.0487, 0.4111, 0.3139



18.1789, 0.3195, 0.3142



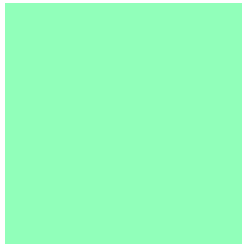
12.4652, 0.4432, 0.2215



1.2349, 0.4255, 0.2118

Previews

White Background



This preview shows how the Yxy color 81.0849, 0.2865, 0.4126 looks on a white background.

Color Contrast Check

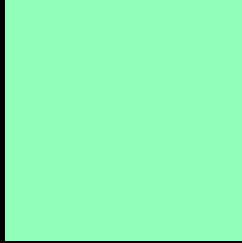
Large Text (above 18pt) WCAG AA × Fail

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 81.0849, 0.2865, 0.4126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

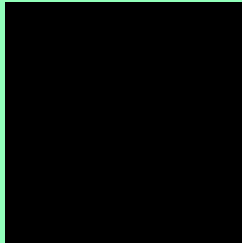
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0849, 0.2865, 0.4126

Background



This preview shows how black text looks on a background with the Yxy color 81.0849, 0.2865, 0.4126.



This preview shows how white text looks on a background with the Yxy color 81.0849, 0.2865, 0.4126.

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

81.0849, 0.2865, 0.4126

Protanopia

80.0211, 0.3612, 0.3870

Deuteranopia

79.6154, 0.3465, 0.3473



Tritanopia

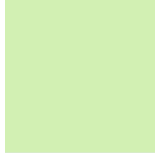
80.6954, 0.2722, 0.3138

Trichromacy



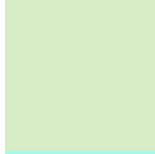
Original Color

81.0849, 0.2865, 0.4126



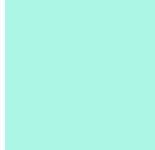
Protanomaly

79.2765, 0.3300, 0.3971



Deuteranomaly

78.5615, 0.3216, 0.3697



Tritanomaly

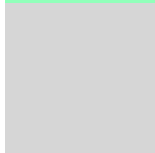
80.3954, 0.2774, 0.3471

Monochromacy



Original Color

81.0849, 0.2865, 0.4126



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2171, 0.3013, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0849, 0.2865, 0.4126 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(145, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 186)  
}
```

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(145, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 81.0849, 0.2865, 0.4126 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(145, 255, 186) }
```

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

```
.border{ border-color:rgb(145, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0849, 0.2865, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 186) }
```

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

```
.background{ background-color: rgb(145,  
255, 186) }
```

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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