

Converting Colors

$Yxy(86.9929, 0.2874, 0.4190)$

Have a look what the booklet for
Yxy(86.9929, 0.2874, 0.4190)
contains.

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Color

Yxy(81.3539, 0.2865, 0.4098)

Conversions

Conversions Part 1

Format	Color
Hex	93FFBC
RGB	147, 255, 188
RGB Percent	58%, 100%, 74%
CMY	0.4234, 0.0000, 0.2627
CMYK	0.42, 0.00, 0.26, 0.00
HSL	143°, 100%, 79%
HSV	143°, 42%, 100%
XYZ	56.8763, 81.3539, 60.2908
YIQ	215.0700, -42.8610, -43.7330

Conversions

Conversions Part 2

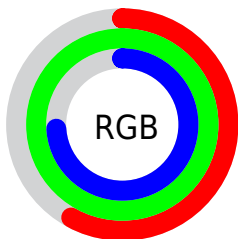
Format	Color
RYB	147, 225, 255
Decimal	9699260
CIELab	92.29, -45.42, 22.47
CIElCh	92, 50.676, 153.676
Yxy	81.3539, 0.2865, 0.4098
Android (android.graphics.Color)	4287889340 (0xFF93FFBC)
YUV	215.0700, -13.3455, -59.6974
Hunter-Lab	90.1964, -45.2847, 23.5057

Details

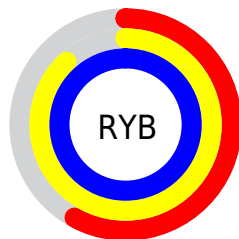
The Yxy color **81.3539, 0.2865, 0.4098** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.9960, 0.3542, 0.2609**, and the grayscale version is **68.1276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0308, 0.2890, 0.3405**, and **44.2831, 0.2799, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **78.6091, 0.2822, 0.4333**, and if you desaturate by 10%, it is **84.7027, 0.2919, 0.3877**.

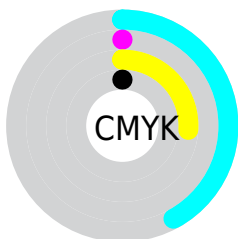
Distribution



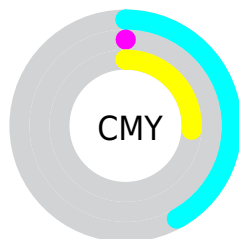
- Red (58%)
- Green (100%)
- Blue (74%)



- Red (58%)
- Yellow (88%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3539, 0.2865, 0.4098 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 81.3539, 0.2865, 0.4098 by changing the saturation by 10% instead.

 81.3539, 0.2865,
0.4098

 81.3539, 0.2865,
0.4098

499.4839, 0.2994,
0.3711

 60.8331, 0.2834,
0.4189


 135.2676, 0.2911,
0.3961

 44.0905, 0.2794,
0.4304

 169.4293, 0.2929,
0.3909

 30.7417, 0.2742,
0.4451


208.9067, 0.2944,
0.3864

 20.4022, 0.2672,
0.4648

254.0843, 0.2957,
0.3825

 12.6877, 0.2571,
0.4921

305.3464, 0.2968,
0.3791

 7.2139, 0.2418,
0.5325


363.0774, 0.2978,


 3.5962, 0.2161,


0.3761


0.5973


427.6618, 0.2986,
0.3735


 1.4504, 0.1127,
0.8873

 0.2534, 0.0000,
1.0000


 81.3539, 0.2865,
0.4098


 81.3539, 0.2865,
0.4098


 78.6091, 0.2822,
0.4333


 84.7027, 0.2919,
0.3877

 76.4209, 0.2792,
0.4577

 88.6794, 0.2980,
0.3673

 74.7510, 0.2780,
0.4822

 93.3188, 0.3045,
0.3490

 73.5515, 0.2786,
0.5057

 98.6500, 0.3112,
0.3326

■ 72.7650, 0.2811,
0.5273

99.9988, 0.3127,
0.3290

■ 72.3779, 0.2839,
0.5421

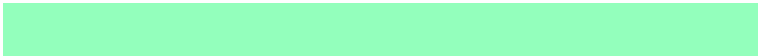
Harmonies

Analogous

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



81.3539, 0.3439, 0.4359



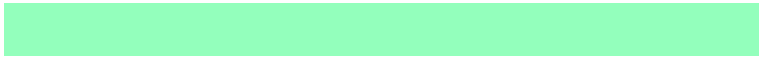
81.3539, 0.2865, 0.4098



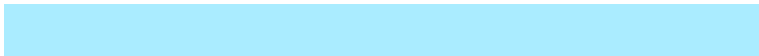
81.3539, 0.2389, 0.3546

Triad

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



81.3539, 0.2865, 0.4098



81.3539, 0.2308, 0.2378



81.3539, 0.4249, 0.3449

Complementary

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



81.3539, 0.2865, 0.4098



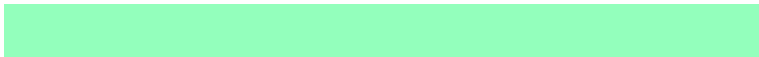
46.9960, 0.3542, 0.2609

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.



81.3539, 0.3890, 0.3006



81.3539, 0.2865, 0.4098



81.3539, 0.2737, 0.2416

Square

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



81.3539, 0.2865, 0.4098



81.3539, 0.2095, 0.2556



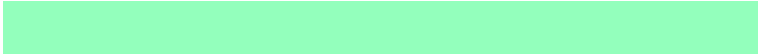
81.3539, 0.3316, 0.2641



81.3539, 0.4265, 0.3897

Rectangle

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



81.3539, 0.2865, 0.4098



81.3539, 0.2184, 0.3145



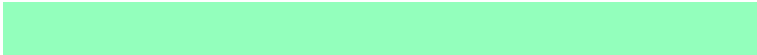
81.3539, 0.3316, 0.2641



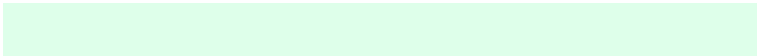
81.3539, 0.4164, 0.3297

Sweetspot

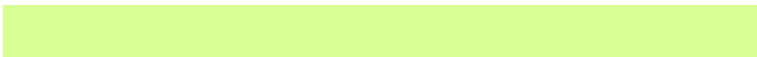
The Sweet Spot groups the original color and five complimentary colors.



81.3572, 0.2865, 0.4098



92.9913, 0.3040, 0.3501



88.1365, 0.3488, 0.4445



19.6744, 0.3026, 0.3540



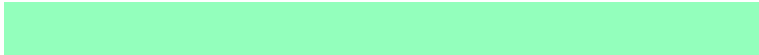
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.3572, 0.2865, 0.4098



78.9444, 0.2827, 0.4301



84.0529, 0.2613, 0.3453



20.2823, 0.3064, 0.3441



37.8464, 0.2831, 0.5390



3.7054, 0.2767, 0.5163

Inverse Universe

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



46.9960, 0.3542, 0.2609



40.3532, 0.3664, 0.2478



44.7285, 0.4085, 0.3142



18.1766, 0.3197, 0.3144



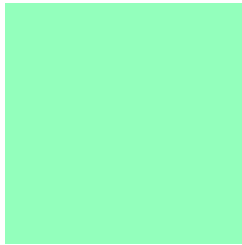
12.4325, 0.4461, 0.2231



1.2318, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 81.3539, 0.2865, 0.4098 looks on a white background.

Color Contrast Check

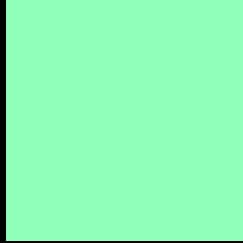
Large Text (above 18pt) WCAG AA × Fail

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 81.3539, 0.2865, 0.4098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

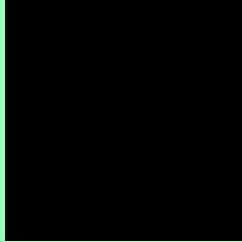
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

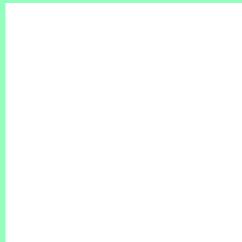
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3539, 0.2865, 0.4098

Background



This preview shows how black text looks on a background with the Yxy color 81.3539, 0.2865, 0.4098.



This preview shows how white text looks on a background with the Yxy color 81.3539, 0.2865, 0.4098.

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

81.3539, 0.2865, 0.4098

Protanopia

80.1003, 0.3598, 0.3850

Deuteranopia

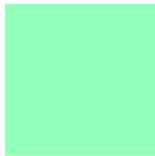
80.2562, 0.3449, 0.3462



Tritanopia

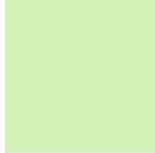
80.8220, 0.2727, 0.3138

Trichromacy



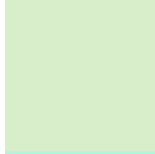
Original Color

81.3539, 0.2865, 0.4098



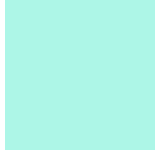
Protanomaly

79.5053, 0.3295, 0.3947



Deuteranomaly

79.3843, 0.3209, 0.3684



Tritanomaly

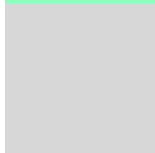
80.5653, 0.2774, 0.3459

Monochromacy



Original Color

81.3539, 0.2865, 0.4098



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9486, 0.3013, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3539, 0.2865, 0.4098 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(147, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 188)  
}
```

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(147, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 81.3539, 0.2865, 0.4098 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(147, 255, 188) }
```

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

```
.border{ border-color:rgb(147, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 255, 188); box-shadow:4px 4px 4px 4px rgb(147, 255, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3539, 0.2865, 0.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 188) }
```

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

```
.background{ background-color: rgb(147,  
255, 188) }
```

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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