

Converting Colors

Yxy(81.4886, 0.2970, 0.4260)

Have a look what the booklet for
Yxy(81.4886, 0.2970, 0.4260)
contains.

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Color

Yxy(81.4460, 0.2971, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	9AFFAE
RGB	154, 255, 174
RGB Percent	60%, 100%, 68%
CMY	0.3959, 0.0000, 0.3176
CMYK	0.40, 0.00, 0.32, 0.00
HSL	132°, 100%, 80%
HSV	132°, 40%, 100%
XYZ	56.7353, 81.4460, 52.7824
YIQ	215.5670, -34.1950, -46.6030

Conversions

Conversions Part 2

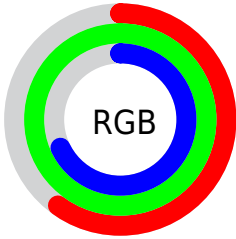
Format	Color
RYB	154, 238, 255
Decimal	10157998
CIELab	92.33, -45.95, 29.66
CIELCh	92, 54.690, 147.152
Yxy	81.4460, 0.2971, 0.4265
Android (android.graphics.Color)	4288348078 (0xFF9AFFAE)
YUV	215.5670, -20.4925, -53.9943
Hunter-Lab	90.2474, -45.7165, 28.4967

Details

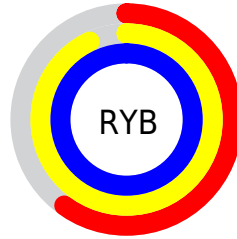
The Yxy color **81.4460, 0.2971, 0.4265** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.3891, 0.3341, 0.2483**, and the grayscale version is **68.5298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2302, 0.3006, 0.3552**, and **44.3100, 0.2915, 0.4520** is the 20% darker color. If you saturate the color by 10%, you get **78.4681, 0.2941, 0.4566**, and if you desaturate by 10%, it is **85.0836, 0.3007, 0.3981**.

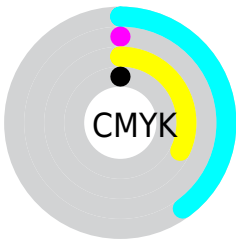
Distribution



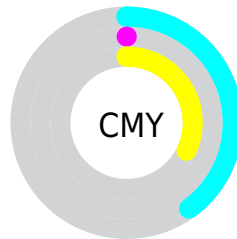
- Red (60%)
- Green (100%)
- Blue (68%)



- Red (60%)
- Yellow (93%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4460, 0.2971, 0.4265 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 81.4460, 0.2971, 0.4265 by changing the saturation by 10% instead.


 81.4460, 0.2971,
0.4265

 81.4460, 0.2971,
0.4265


499.7927, 0.3057,
0.3796

 60.9090, 0.2948,
0.4376


 135.3968, 0.3003,
0.4099

 44.1517, 0.2918,
0.4515

 169.5794, 0.3015,
0.4035

 30.7898, 0.2877,
0.4694


209.0794, 0.3025,
0.3981

 20.4388, 0.2818,
0.4932

254.2810, 0.3033,
0.3934

 12.7144, 0.2730,
0.5262

305.5688, 0.3040,
0.3893

 7.2322, 0.2585,
0.5744


363.3271, 0.3047,


 3.6077, 0.2339,


0.3856


0.6541


427.9402, 0.3052,
0.3824


 1.4567, 0.1077,
0.8923

 0.2579, 0.0000,
1.0000


 81.4460, 0.2971,
0.4265


 81.4460, 0.2971,
0.4265


 78.4681, 0.2941,
0.4566


 85.0836, 0.3007,
0.3981

 76.1004, 0.2919,
0.4872

 89.4070, 0.3047,
0.3721

 74.3026, 0.2909,
0.5168

 94.4528, 0.3088,
0.3488

 73.0248, 0.2912,
0.5436

99.9972, 0.3127,
0.3290

■ 72.2086, 0.2927,
0.5658

■ 71.7655, 0.2952,
0.5823

■ 71.7512, 0.2952,
0.5829

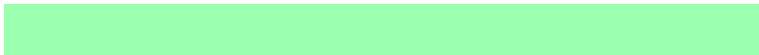
Harmonies

Analogous

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



81.4460, 0.3588, 0.4452



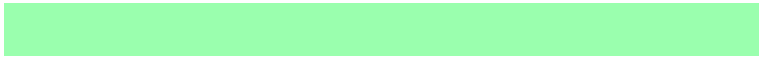
81.4460, 0.2971, 0.4265



81.4460, 0.2427, 0.3709

Triad

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



81.4460, 0.2971, 0.4265



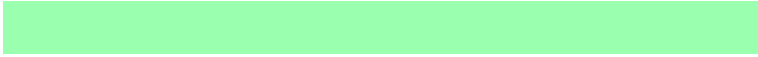
81.4460, 0.2180, 0.2334



81.4460, 0.4283, 0.3347

Complementary

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



81.4460, 0.2971, 0.4265



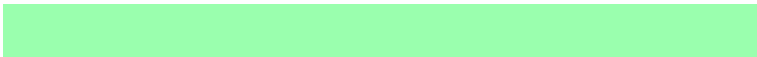
50.3891, 0.3341, 0.2483

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.



81.4460, 0.3826, 0.2889



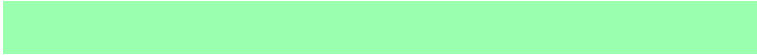
81.4460, 0.2971, 0.4265



81.4460, 0.2589, 0.2330

Square

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



81.4460, 0.2971, 0.4265



81.4460, 0.2008, 0.2573



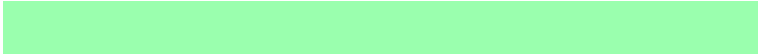
81.4460, 0.3186, 0.2529



81.4460, 0.4381, 0.3831

Rectangle

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



81.4460, 0.2971, 0.4265



81.4460, 0.2174, 0.3266



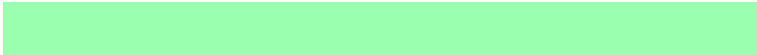
81.4460, 0.3186, 0.2529



81.4460, 0.4165, 0.3188

Sweetspot

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



81.4494, 0.2971, 0.4265



93.1698, 0.3078, 0.3542



91.7690, 0.3595, 0.4320



19.7971, 0.3073, 0.3572



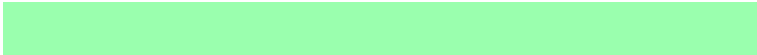
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4494, 0.2971, 0.4265



78.9017, 0.2945, 0.4517



83.7221, 0.2728, 0.3658



20.2269, 0.3088, 0.3486



37.5095, 0.2946, 0.5807



3.6667, 0.2893, 0.5614

Inverse Universe

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



50.3891, 0.3341, 0.2483



43.6837, 0.3400, 0.2322



47.9350, 0.3805, 0.2958



18.2352, 0.3168, 0.3101



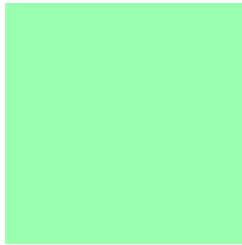
13.4229, 0.3784, 0.1858



1.3219, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 81.4460, 0.2971, 0.4265 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 81.4460, 0.2971, 0.4265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

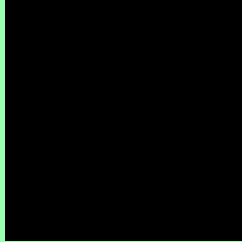
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

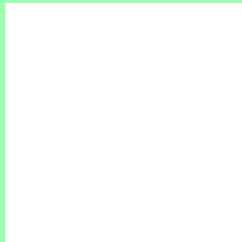
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4460, 0.2971, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 81.4460, 0.2971, 0.4265.

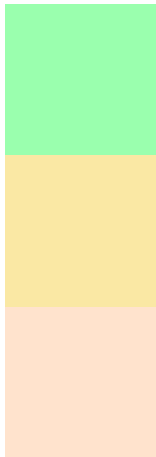


This preview shows how white text looks on a background with the Yxy color 81.4460, 0.2971, 0.4265.

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

81.4460, 0.2971, 0.4265

Protanopia

80.7176, 0.3704, 0.3987

Deuteranopia

80.6059, 0.3475, 0.3513



Tritanopia

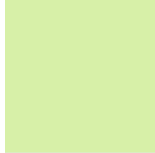
80.6165, 0.2743, 0.3128

Trichromacy



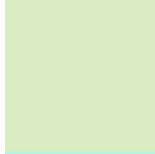
Original Color

81.4460, 0.2971, 0.4265



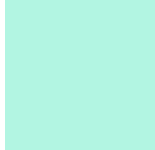
Protanomaly

79.5944, 0.3402, 0.4087



Deuteranomaly

79.3688, 0.3267, 0.3761



Tritanomaly

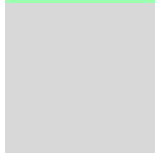
80.2608, 0.2827, 0.3504

Monochromacy



Original Color

81.4460, 0.2971, 0.4265



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.1481, 0.3058, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4460, 0.2971, 0.4265 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(154, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 174)  
}
```

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(154, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 81.4460, 0.2971, 0.4265 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(154, 255, 174) }
```

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

```
.border{ border-color:rgb(154, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4460, 0.2971, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 174) }
```

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

```
.background{ background-color: rgb(154,  
255, 174) }
```

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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