

Converting Colors

$Yxy(81.9528, 0.3151, 0.4510)$

Have a look what the booklet for
Yxy(81.9528, 0.3151, 0.4510)
contains.

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Color

Yxy(81.8940, 0.3148, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	A6FF98
RGB	166, 255, 152
RGB Percent	65%, 100%, 60%
CMY	0.3491, 0.0000, 0.4039
CMYK	0.35, 0.00, 0.40, 0.00
HSL	112°, 100%, 80%
HSV	112°, 40%, 100%
XYZ	57.1497, 81.8940, 42.4992
YIQ	216.6470, -19.9810, -50.9010

Conversions

Conversions Part 2

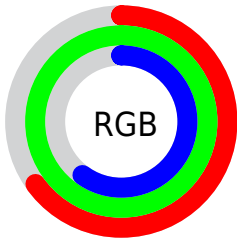
Format	Color
RYB	152, 255, 241
Decimal	10944408
CIELab	92.53, -45.78, 40.95
CIElCh	93, 61.424, 138.183
Yxy	81.8940, 0.3148, 0.4511
Android (android.graphics.Color)	4289134488 (0xFFA6FF98)
YUV	216.6470, -31.8710, -44.4174
Hunter-Lab	90.4953, -45.6402, 35.5024

Details

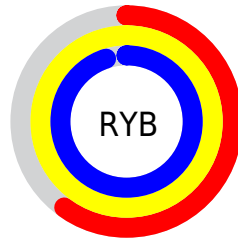
The Yxy color **81.8940, 0.3148, 0.4511** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.3806, 0.3057, 0.2256**, and the grayscale version is **69.3609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8723, 0.3209, 0.3792**, and **44.6040, 0.3126, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **78.9631, 0.3142, 0.4860**, and if you desaturate by 10%, it is **85.4079, 0.3148, 0.4169**.

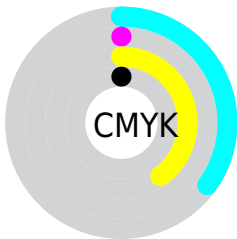
Distribution



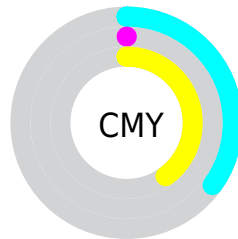
- Red (65%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8940, 0.3148, 0.4511 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 81.8940, 0.3148, 0.4511 by changing the saturation by 10% instead.


 81.8940, 0.3148,
0.4511


 81.8940, 0.3148,
0.4511


501.2931, 0.3162,
0.3923

 61.2782, 0.3138,
0.4649


 136.0253, 0.3158,
0.4304

 44.4497, 0.3123,
0.4821


 170.3096, 0.3160,
0.4224

 31.0242, 0.3098,
0.5040


209.9189, 0.3162,
0.4156

 20.6173, 0.3055,
0.5327

255.2375, 0.3162,
0.4097

 12.8445, 0.2979,
0.5715

306.6498, 0.3163,
0.4045

 7.3216, 0.2835,
0.6258

364.5402, 0.3163,

 3.6640, 0.2654,

0.4000

0.7346

429.2932, 0.3162,
0.3959

■ 1.4875, 0.1189,
0.8811

■ 0.2799, 0.0000,
1.0000

■ 81.8940, 0.3148,
0.4511

■ 81.8940, 0.3148,
0.4511

■ 78.9631, 0.3142,
0.4860

■ 85.4079, 0.3148,
0.4169

■ 76.5899, 0.3129,
0.5197

■ 89.5417, 0.3144,
0.3850

■ 74.7363, 0.3110,
0.5497

■ 94.3211, 0.3137,
0.3559

■ 73.3625, 0.3085,
0.5735

■ 99.7720, 0.3128,
0.3300

■ 72.4226, 0.3056,
0.5895

100.0000, 0.3127,
0.3290

■ 71.8705, 0.3030,
0.5976

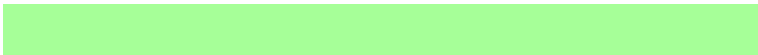
Harmonies

Analogous

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



81.8940, 0.3823, 0.4560



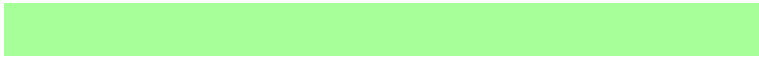
81.8940, 0.3148, 0.4511



81.8940, 0.2504, 0.3980

Triad

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



81.8940, 0.3148, 0.4511



81.8940, 0.1996, 0.2279



81.8940, 0.4307, 0.3185

Complementary

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



81.8940, 0.3148, 0.4511



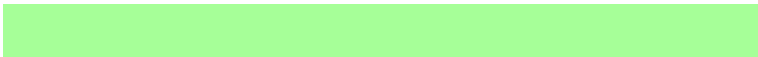
48.3806, 0.3057, 0.2256

Split Complementary

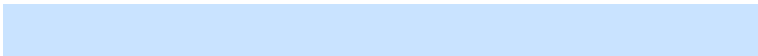
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8940, 0.3702, 0.2710



81.8940, 0.3148, 0.4511



81.8940, 0.2367, 0.2207

Square

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



81.8940, 0.3148, 0.4511



81.8940, 0.1889, 0.2617



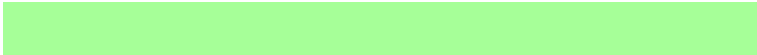
81.8940, 0.2974, 0.2364



81.8940, 0.4542, 0.3715

Rectangle

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



81.8940, 0.3148, 0.4511



81.8940, 0.2178, 0.3479



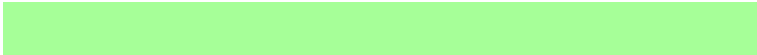
81.8940, 0.2974, 0.2364



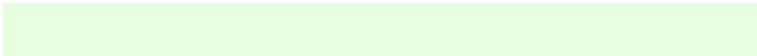
81.8940, 0.4137, 0.3017

Sweetspot

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



81.8917, 0.3148, 0.4511



93.5081, 0.3138, 0.3603



85.5824, 0.3790, 0.4162



19.8759, 0.3139, 0.3640



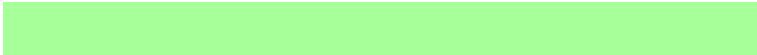
0.0000, 0.0000, 0.0000



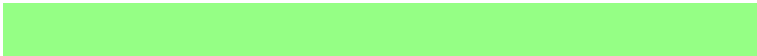
21.4041, 0.3127, 0.3290

Same Dimension

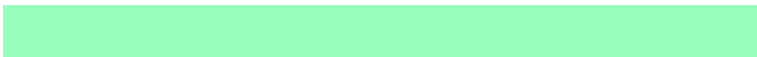
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8917, 0.3148, 0.4511



79.6120, 0.3144, 0.4777



81.8283, 0.2890, 0.4092



20.2863, 0.3136, 0.3534



37.5898, 0.3036, 0.5972



3.6945, 0.3092, 0.5927

Inverse Universe

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



48.3806, 0.3057, 0.2256



42.1300, 0.3037, 0.2071



48.8280, 0.3488, 0.2611



18.1680, 0.3116, 0.3054



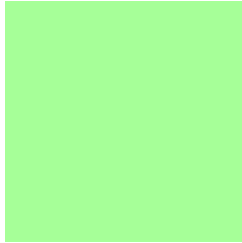
11.8034, 0.2868, 0.1353



1.1823, 0.2909, 0.1376

Previews

White Background



This preview shows how the Yxy color 81.8940, 0.3148, 0.4511 looks on a white background.

Color Contrast Check

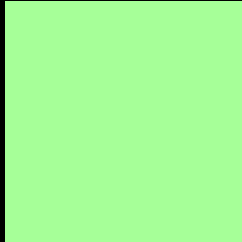
Large Text (above 18pt) WCAG AA × Fail

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 81.8940, 0.3148, 0.4511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

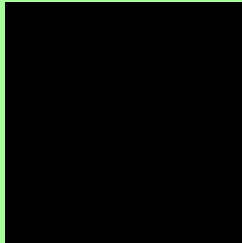
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

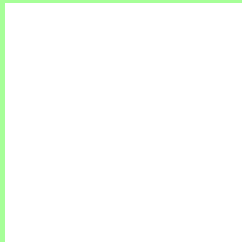
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8940, 0.3148, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 81.8940, 0.3148, 0.4511.

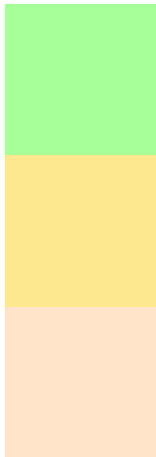


This preview shows how white text looks on a background with the Yxy color 81.8940, 0.3148, 0.4511.

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

81.8940, 0.3148, 0.4511

Protanopia

80.7672, 0.3868, 0.4183

Deuteranopia

81.0111, 0.3494, 0.3554



Tritanopia

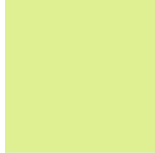
81.5459, 0.2782, 0.3130

Trichromacy



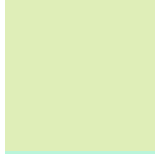
Original Color

81.8940, 0.3148, 0.4511



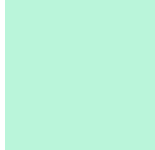
Protanomaly

79.9251, 0.3583, 0.4308



Deuteranomaly

80.2977, 0.3363, 0.3877



Tritanomaly

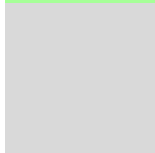
80.8059, 0.2916, 0.3594

Monochromacy



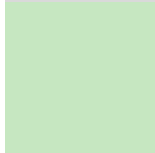
Original Color

81.8940, 0.3148, 0.4511



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0079, 0.3140, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8940, 0.3148, 0.4511 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(166, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 152)  
}
```

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(166, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 152) }
```

Border

The CSS property to change the border of an element to Yxy 81.8940, 0.3148, 0.4511 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(166, 255, 152) }
```

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

```
.border{ border-color:rgb(166, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8940, 0.3148, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 152) }
```

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

```
.background{ background-color: rgb(166,  
255, 152) }
```

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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