

Converting Colors

$Y_{xy}(119.8008, 0.3070, 0.4896)$

Have a look what the booklet for
Yxy(119.8008, 0.3070, 0.4896)
contains.

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Color

Yxy(81.2240, 0.3098, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	9FFF9A
RGB	159, 255, 154
RGB Percent	62%, 100%, 60%
CMY	0.3764, 0.0000, 0.3961
CMYK	0.38, 0.00, 0.40, 0.00
HSL	117°, 100%, 80%
HSV	117°, 40%, 100%
XYZ	55.8934, 81.2240, 43.3002
YIQ	214.7820, -24.7950, -51.7630

Conversions

Conversions Part 2

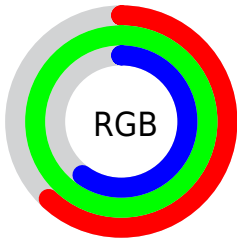
Format	Color
RYB	154, 255, 250
Decimal	10485658
CIELab	92.23, -47.61, 39.53
CIELCh	92, 61.885, 140.300
Yxy	81.2240, 0.3098, 0.4502
Android (android.graphics.Color)	4288675738 (0xFF9FFF9A)
YUV	214.7820, -29.9655, -48.9208
Hunter-Lab	90.1244, -47.0154, 34.6012

Details

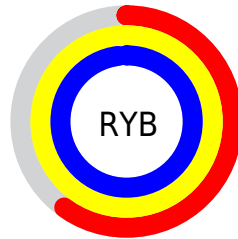
The Yxy color **81.2240, 0.3098, 0.4502** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.6484, 0.3131, 0.2298**, and the grayscale version is **68.0227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8752, 0.3154, 0.3777**, and **44.1525, 0.3061, 0.4824** is the 20% darker color. If you saturate the color by 10%, you get **78.2252, 0.3085, 0.4860**, and if you desaturate by 10%, it is **84.8930, 0.3109, 0.4154**.

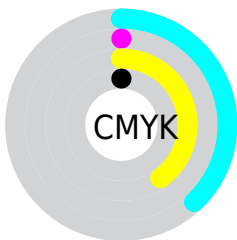
Distribution



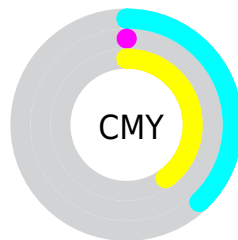
- Red (62%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2240, 0.3098, 0.4502 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 81.2240, 0.3098, 0.4502 by changing the saturation by 10% instead.

 81.2240, 0.3098,
0.4502

 81.2240, 0.3098,
0.4502


499.0483, 0.3134,
0.3916

 60.7261, 0.3084,
0.4640


 135.0852, 0.3115,
0.4295

 44.0042, 0.3062,
0.4813


 169.2174, 0.3121,
0.4215

 30.6738, 0.3030,
0.5034


208.6631, 0.3125,
0.4147

 20.3506, 0.2979,
0.5324

253.8067, 0.3128,
0.4089

 12.6501, 0.2892,
0.5720

305.0326, 0.3130,
0.4037

 7.1881, 0.2735,
0.6278


362.7252, 0.3132,


 3.5800, 0.2547,


0.3992


0.7453


427.2690, 0.3133,
0.3952

 1.4415, 0.0796,
0.9204

 0.2470, 0.0000,
1.0000

 81.2240, 0.3098,
0.4502


 81.2240, 0.3098,
0.4502


 78.2252, 0.3085,
0.4860


 84.8930, 0.3109,
0.4154

 75.8502, 0.3069,
0.5207

 89.2627, 0.3117,
0.3830

 74.0570, 0.3052,
0.5515

 94.3691, 0.3123,
0.3538

 72.7952, 0.3035,
0.5757

100.0000, 0.3127,
0.3290

■ 72.0064, 0.3019,
0.5916

■ 71.6127, 0.3007,
0.5992

■ 71.6032, 0.3007,
0.5994

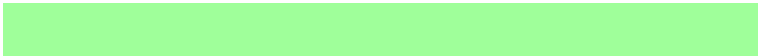
Harmonies

Analogous

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



81.2240, 0.3783, 0.4584



81.2240, 0.3098, 0.4502



81.2240, 0.2457, 0.3936

Triad

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



81.2240, 0.3098, 0.4502



81.2240, 0.2004, 0.2256



81.2240, 0.4351, 0.3220

Complementary

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



81.2240, 0.3098, 0.4502



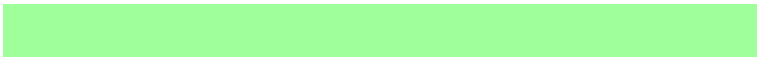
50.6484, 0.3131, 0.2298

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.



81.2240, 0.3759, 0.2735



81.2240, 0.3098, 0.4502



81.2240, 0.2395, 0.2202

Square

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



81.2240, 0.3098, 0.4502



81.2240, 0.1877, 0.2576



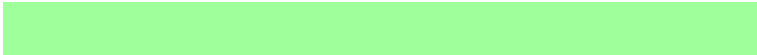
81.2240, 0.3022, 0.2375



81.2240, 0.4555, 0.3755

Rectangle

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



81.2240, 0.3098, 0.4502



81.2240, 0.2140, 0.3426



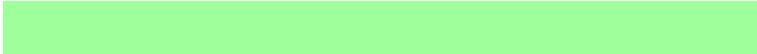
81.2240, 0.3022, 0.2375



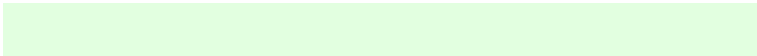
81.2240, 0.4187, 0.3049

Sweetspot

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



81.2261, 0.3098, 0.4502



93.0799, 0.3122, 0.3605



91.9329, 0.3740, 0.4232



19.7760, 0.3121, 0.3642



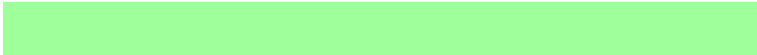
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

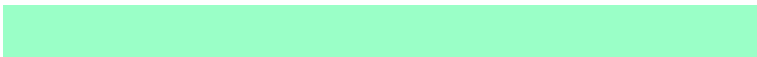
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2261, 0.3098, 0.4502



78.6649, 0.3087, 0.4803



82.5338, 0.2843, 0.3947



20.2112, 0.3123, 0.3535



37.4322, 0.3010, 0.5992



3.6591, 0.3034, 0.5973

Inverse Universe

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



50.6484, 0.3131, 0.2298



44.0085, 0.3129, 0.2105



49.0001, 0.3574, 0.2720



18.2516, 0.3130, 0.3055



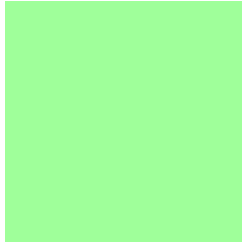
13.6850, 0.3085, 0.1473



1.3461, 0.3100, 0.1481

Previews

White Background



This preview shows how the Yxy color 81.2240, 0.3098, 0.4502 looks on a white background.

Color Contrast Check

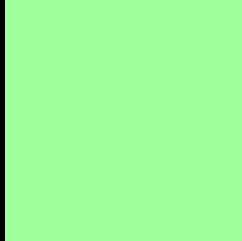
Large Text (above 18pt) WCAG AA × Fail

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 81.2240, 0.3098, 0.4502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

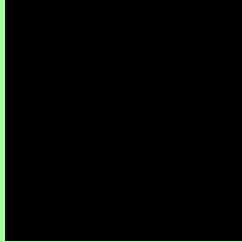
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

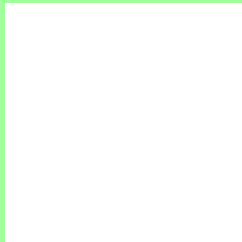
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2240, 0.3098, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 81.2240, 0.3098, 0.4502.

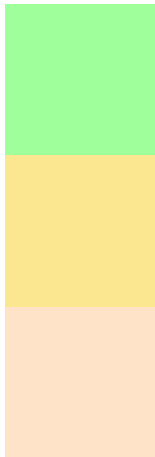


This preview shows how white text looks on a background with the Yxy color 81.2240, 0.3098, 0.4502.

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

81.2240, 0.3098, 0.4502

Protanopia

79.8916, 0.3845, 0.4160

Deuteranopia

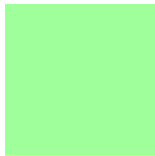
80.3683, 0.3509, 0.3564



Tritanopia

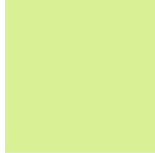
80.8776, 0.2754, 0.3128

Trichromacy



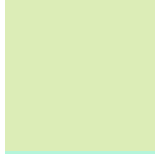
Original Color

81.2240, 0.3098, 0.4502



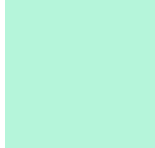
Protanomaly

79.3637, 0.3542, 0.4298



Deuteranomaly

79.2029, 0.3350, 0.3882



Tritanomaly

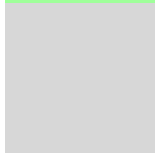
80.1905, 0.2887, 0.3596

Monochromacy



Original Color

81.2240, 0.3098, 0.4502



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0460, 0.3121, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2240, 0.3098, 0.4502 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(159, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 154)  
}
```

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(159, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 81.2240, 0.3098, 0.4502 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(159, 255, 154) }
```

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

```
.border{ border-color:rgb(159, 255, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2240, 0.3098, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 154) }
```

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

```
.background{ background-color: rgb(159,  
255, 154) }
```

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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