

Converting Colors

$Yxy(81.0650, 0.3088, 0.4504)$

Have a look what the booklet for
Yxy(81.0650, 0.3088, 0.4504)
contains.

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Color

Yxy(81.0212, 0.3087, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	9DFF9A
RGB	157, 255, 154
RGB Percent	62%, 100%, 60%
CMY	0.3840, 0.0000, 0.3961
CMYK	0.38, 0.00, 0.40, 0.00
HSL	118°, 100%, 80%
HSV	118°, 40%, 100%
XYZ	55.5065, 81.0212, 43.2796
YIQ	214.1840, -25.9870, -52.1870

Conversions

Conversions Part 2

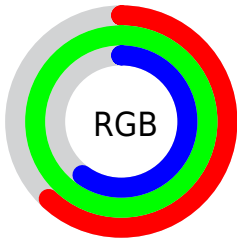
Format	Color
RYB	154, 255, 252
Decimal	10354586
CIELab	92.14, -48.19, 39.40
CIElCh	92, 62.248, 140.734
Yxy	81.0212, 0.3087, 0.4506
Android (android.graphics.Color)	4288544666 (0xFF9DFF9A)
YUV	214.1840, -29.6707, -50.1504
Hunter-Lab	90.0118, -47.4471, 34.5003

Details

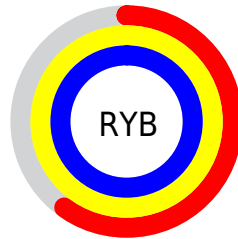
The Yxy color **81.0212, 0.3087, 0.4506** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.0074, 0.3148, 0.2303**, and the grayscale version is **67.6036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5705, 0.3141, 0.3779**, and **44.0371, 0.3049, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **78.0218, 0.3072, 0.4866**, and if you desaturate by 10%, it is **84.7110, 0.3100, 0.4156**.

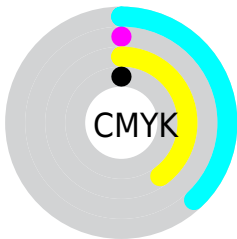
Distribution



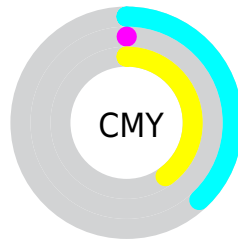
- Red (62%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (99%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0212, 0.3087, 0.4506 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 81.0212, 0.3087, 0.4506 by changing the saturation by 10% instead.


 81.0212, 0.3087,
0.4506


 81.0212, 0.3087,
0.4506


498.3677, 0.3128,
0.3918

 60.5591, 0.3071,
0.4645


 134.8005, 0.3106,
0.4298

 43.8694, 0.3049,
0.4819


 168.8865, 0.3112,
0.4218

 30.5679, 0.3015,
0.5041


208.2826, 0.3117,
0.4150

 20.2700, 0.2961,
0.5334

253.3731, 0.3120,
0.4091

 12.5915, 0.2871,
0.5733

304.5425, 0.3123,
0.4039

 7.1478, 0.2709,
0.6297

362.1751, 0.3125,

 3.5547, 0.2513,

0.3994

0.7487

426.6554, 0.3127,
0.3954

■ 1.4277, 0.0661,
0.9339

■ 0.2370, 0.0000,
1.0000

■ 81.0212, 0.3087,
0.4506

■ 81.0212, 0.3087,
0.4506

■ 78.0218, 0.3072,
0.4866

■ 84.7110, 0.3100,
0.4156

■ 75.6605, 0.3056,
0.5214

■ 89.1195, 0.3111,
0.3831

■ 73.8941, 0.3040,
0.5523

■ 94.2856, 0.3120,
0.3538

■ 72.6696, 0.3025,
0.5764

99.9967, 0.3127,
0.3290

■ 71.9245, 0.3012,
0.5921

■ 71.5753, 0.3004,
0.5994

■ 71.5669, 0.3004,
0.5997

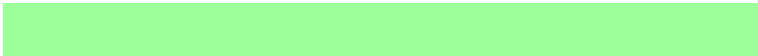
Harmonies

Analogous

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



81.0212, 0.3777, 0.4595



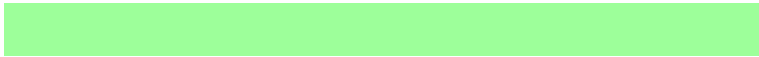
81.0212, 0.3087, 0.4506



81.0212, 0.2445, 0.3930

Triad

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



81.0212, 0.3087, 0.4506



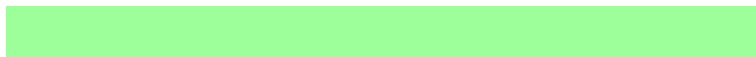
81.0212, 0.2001, 0.2248



81.0212, 0.4365, 0.3226

Complementary

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



81.0212, 0.3087, 0.4506



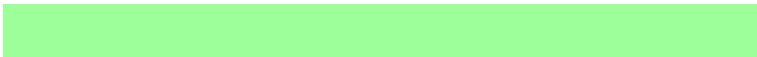
51.0074, 0.3148, 0.2303

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.



81.0212, 0.3773, 0.2738



81.0212, 0.3087, 0.4506



81.0212, 0.2398, 0.2197

Square

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



81.0212, 0.3087, 0.4506



81.0212, 0.1870, 0.2564



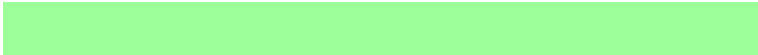
81.0212, 0.3031, 0.2374



81.0212, 0.4564, 0.3765

Rectangle

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



81.0212, 0.3087, 0.4506



81.0212, 0.2129, 0.3415



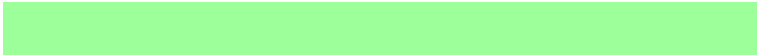
81.0212, 0.3031, 0.2374



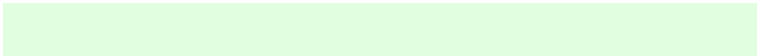
81.0212, 0.4202, 0.3054

Sweetspot

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



81.0246, 0.3087, 0.4506



92.9847, 0.3118, 0.3605



92.9792, 0.3734, 0.4247



19.7539, 0.3117, 0.3642



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

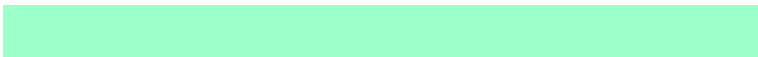
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0246, 0.3087, 0.4506



78.4645, 0.3075, 0.4808



82.6088, 0.2835, 0.3927



20.1945, 0.3120, 0.3535



37.4084, 0.3006, 0.5995



3.6512, 0.3021, 0.5983

Inverse Universe

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



51.0074, 0.3148, 0.2303



44.4448, 0.3149, 0.2112



48.9143, 0.3590, 0.2737



18.2705, 0.3133, 0.3056



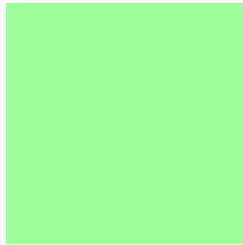
14.1391, 0.3133, 0.1500



1.3852, 0.3142, 0.1505

Previews

White Background



This preview shows how the Yxy color 81.0212, 0.3087, 0.4506 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 81.0212, 0.3087, 0.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

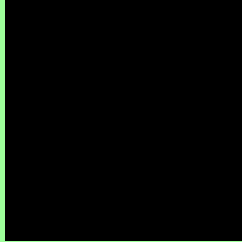
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0212, 0.3087, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 81.0212, 0.3087, 0.4506.

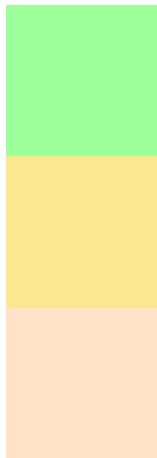


This preview shows how white text looks on a background with the Yxy color 81.0212, 0.3087, 0.4506.

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

81.0212, 0.3087, 0.4506

Protanopia

79.8916, 0.3845, 0.4160

Deuteranopia

79.7762, 0.3519, 0.3565



Tritanopia

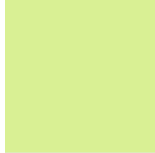
80.7466, 0.2748, 0.3128

Trichromacy



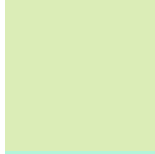
Original Color

81.0212, 0.3087, 0.4506



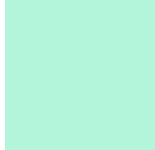
Protanomaly

79.2100, 0.3535, 0.4300



Deuteranomaly

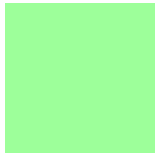
79.0473, 0.3343, 0.3883



Tritanomaly

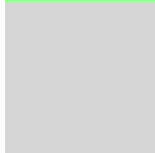
79.9505, 0.2875, 0.3597

Monochromacy



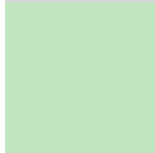
Original Color

81.0212, 0.3087, 0.4506



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.1819, 0.3114, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0212, 0.3087, 0.4506 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(157, 255, 154)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 255, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 154) }
```

Border

The CSS property to change the border of an element to Yxy 81.0212, 0.3087, 0.4506 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(157, 255, 154) }
```

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

```
.border{ border-color:rgb(157, 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(157, 255, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0212, 0.3087, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 154) }
```

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

```
.background{ background-color: rgb(157,  
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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