

Converting Colors

$Yxy(88.6435, 0.3009, 0.4476)$

Have a look what the booklet for
Yxy(88.6435, 0.3009, 0.4476)
contains.

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Color

Yxy(81.0455, 0.3005, 0.4367)

Conversions

Conversions Part 1

Format	Color
Hex	99FFA6
RGB	153, 255, 166
RGB Percent	60%, 100%, 65%
CMY	0.4003, 0.0000, 0.3491
CMYK	0.40, 0.00, 0.35, 0.00
HSL	128°, 100%, 80%
HSV	128°, 40%, 100%
XYZ	55.7687, 81.0455, 48.7721
YIQ	214.3560, -32.2230, -49.3030

Conversions

Conversions Part 2

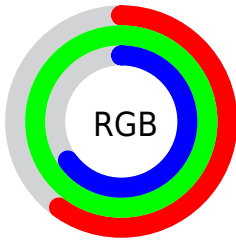
Format	Color
RYB	153, 243, 255
Decimal	10092454
CIELab	92.15, -47.58, 33.44
CIElCh	92, 58.160, 144.900
Yxy	81.0455, 0.3005, 0.4367
Android (android.graphics.Color)	4288282534 (0xFF99FFA6)
YUV	214.3560, -23.8395, -53.8092
Hunter-Lab	90.0253, -46.9674, 30.8968

Details

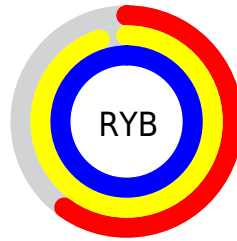
The Yxy color **81.0455, 0.3005, 0.4367** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.4274, 0.3282, 0.2411**, and the grayscale version is **67.6610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6428, 0.3044, 0.3639**, and **44.0672, 0.2956, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **78.0711, 0.2980, 0.4692**, and if you desaturate by 10%, it is **84.6765, 0.3034, 0.4057**.

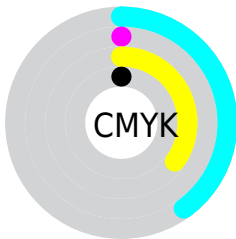
Distribution



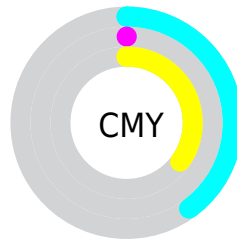
- Red (60%)
- Green (100%)
- Blue (65%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0455, 0.3005, 0.4367 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 81.0455, 0.3005, 0.4367 by changing the saturation by 10% instead.

 81.0455, 0.3005,
0.4367


 81.0455, 0.3005,
0.4367


498.4493, 0.3078,
0.3847

 60.5791, 0.2984,
0.4490


 134.8347, 0.3034,
0.4183

 43.8856, 0.2955,
0.4645


 168.9262, 0.3044,
0.4112

 30.5805, 0.2915,
0.4844


208.3282, 0.3053,
0.4052

 20.2797, 0.2857,
0.5107

253.4251, 0.3060,
0.3999

 12.5985, 0.2765,
0.5471

304.6012, 0.3065,
0.3954

 7.1527, 0.2610,
0.5999


362.2410, 0.3070,


 3.5578, 0.2378,


0.3914


0.6971


426.7289, 0.3075,
0.3878


 1.4294, 0.0757,
0.9243


 0.2382, 0.0000,
1.0000


 81.0455, 0.3005,
0.4367


 81.0455, 0.3005,
0.4367


 78.0711, 0.2980,
0.4692

 84.6765, 0.3034,
0.4057

 75.7337, 0.2962,
0.5017

 89.0238, 0.3065,
0.3772

 73.9802, 0.2952,
0.5322

 94.1151, 0.3096,
0.3516

 72.7583, 0.2953,
0.5585

99.9830, 0.3127,
0.3291

■ 72.0060, 0.2963,
0.5788

100.0000, 0.3127,
0.3290

■ 71.6277, 0.2978,
0.5920

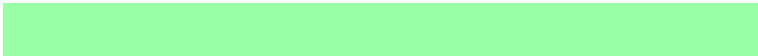
Harmonies

Analogous

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



81.0455, 0.3658, 0.4525



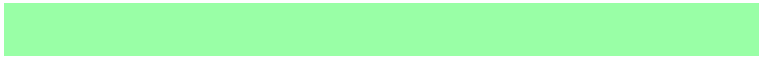
81.0455, 0.3005, 0.4367



81.0455, 0.2419, 0.3789

Triad

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



81.0455, 0.3005, 0.4367



81.0455, 0.2103, 0.2288



81.0455, 0.4334, 0.3306

Complementary

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



81.0455, 0.3005, 0.4367



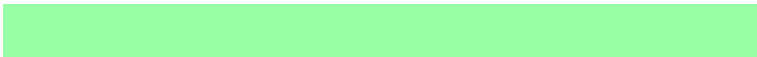
50.4274, 0.3282, 0.2411

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.



81.0455, 0.3823, 0.2831



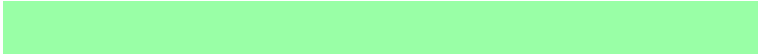
81.0455, 0.3005, 0.4367



81.0455, 0.2515, 0.2269

Square

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



81.0455, 0.3005, 0.4367



81.0455, 0.1943, 0.2555



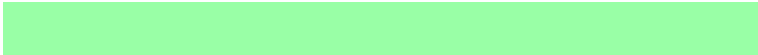
81.0455, 0.3135, 0.2464



81.0455, 0.4466, 0.3817

Rectangle

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



81.0455, 0.3005, 0.4367



81.0455, 0.2141, 0.3313



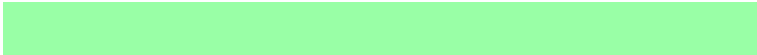
81.0455, 0.3135, 0.2464



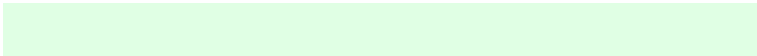
81.0455, 0.4199, 0.3140

Sweetspot

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



81.0382, 0.3005, 0.4367



93.0502, 0.3090, 0.3564



92.8887, 0.3646, 0.4315



19.7692, 0.3086, 0.3597



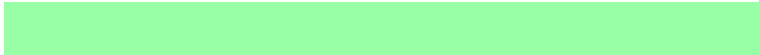
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.0382, 0.3005, 0.4367



78.6202, 0.2985, 0.4625



83.2369, 0.2757, 0.3746



20.2060, 0.3098, 0.3504



37.4386, 0.2973, 0.5904



3.6565, 0.2930, 0.5747

Inverse Universe

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



50.4274, 0.3282, 0.2411



44.1782, 0.3320, 0.2249



47.8281, 0.3747, 0.2884



18.2580, 0.3158, 0.3085



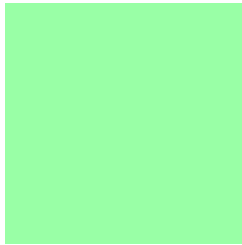
13.8911, 0.3562, 0.1736



1.3632, 0.3516, 0.1710

Previews

White Background



This preview shows how the Yxy color 81.0455, 0.3005, 0.4367 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 81.0455, 0.3005, 0.4367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

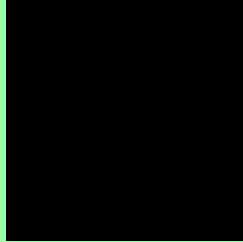
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

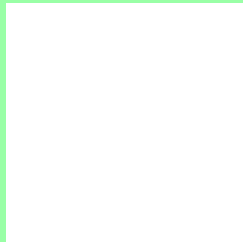
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.0455, 0.3005, 0.4367

Background



This preview shows how black text looks on a background with the Yxy color 81.0455, 0.3005, 0.4367.

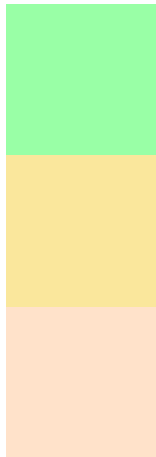


This preview shows how white text looks on a background with the Yxy color 81.0455, 0.3005, 0.4367.

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

81.0455, 0.3005, 0.4367

Protanopia

79.8761, 0.3759, 0.4058

Deuteranopia

79.9170, 0.3498, 0.3534



Tritanopia

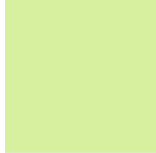
80.4873, 0.2737, 0.3127

Trichromacy



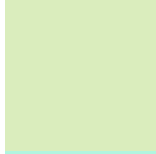
Original Color

81.0455, 0.3005, 0.4367



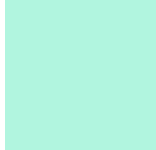
Protanomaly

79.3053, 0.3450, 0.4175



Deuteranomaly

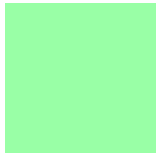
79.1479, 0.3298, 0.3817



Tritanomaly

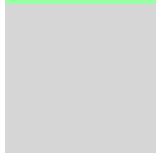
79.9796, 0.2837, 0.3540

Monochromacy



Original Color

81.0455, 0.3005, 0.4367



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2763, 0.3076, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0455, 0.3005, 0.4367 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(153, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 166)  
}
```

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(153, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 81.0455, 0.3005, 0.4367 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(153, 255, 166) }
```

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

```
.border{ border-color:rgb(153, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0455, 0.3005, 0.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 166) }
```

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

```
.background{ background-color: rgb(153,  
255, 166) }
```

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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