

Converting Colors

$Y_{xy}(151.2969, 0.3113, 0.5160)$

Have a look what the booklet for
Yxy(151.2969, 0.3113, 0.5160)
contains.

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Color

Yxy(81.6406, 0.3187, 0.4604)

Conversions

Conversions Part 1

Format	Color
Hex	A6FF90
RGB	166, 255, 144
RGB Percent	65%, 100%, 56%
CMY	0.3492, 0.0000, 0.4352
CMYK	0.35, 0.00, 0.44, 0.00
HSL	108°, 100%, 78%
HSV	108°, 44%, 100%
XYZ	56.5136, 81.6406, 39.1712
YIQ	215.7350, -17.4130, -53.3890

Conversions

Conversions Part 2

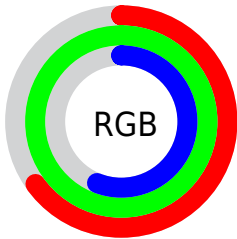
Format	Color
RYB	144, 255, 233
Decimal	10944400
CIELab	92.42, -46.87, 44.68
CIElCh	92, 64.752, 136.368
Yxy	81.6406, 0.3187, 0.4604
Android (android.graphics.Color)	4289134480 (0xFFA6FF90)
YUV	215.7350, -35.3654, -43.6176
Hunter-Lab	90.3552, -46.4769, 37.5450

Details

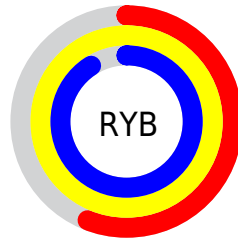
The Yxy color **81.6406, 0.3187, 0.4604** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.5064, 0.2991, 0.2159**, and the grayscale version is **68.7246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4908, 0.3255, 0.3878**, and **44.4585, 0.3170, 0.4943** is the 20% darker color. If you saturate the color by 10%, you get **78.9051, 0.3185, 0.4944**, and if you desaturate by 10%, it is **84.8951, 0.3181, 0.4265**.

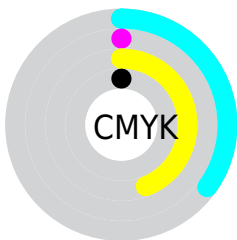
Distribution



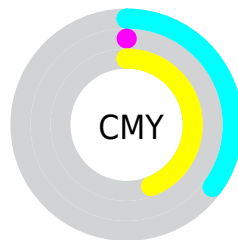
- Red (65%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (91%)



- Cyan (35%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6406, 0.3187, 0.4604 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 81.6406, 0.3187, 0.4604 by changing the saturation by 10% instead.


 81.6406, 0.3187,
0.4604


 81.6406, 0.3187,
0.4604


500.4447, 0.3187,
0.3971

 61.0693, 0.3179,
0.4752


 135.6699, 0.3193,
0.4381

 44.2811, 0.3165,
0.4936

 169.8967, 0.3194,
0.4295

 30.8916, 0.3140,
0.5170


209.4441, 0.3194,
0.4222

 20.5163, 0.3096,
0.5475

254.6966, 0.3193,
0.4158

 12.7709, 0.3014,
0.5883

306.0385, 0.3192,
0.4102

 7.2710, 0.2857,
0.6448


363.8542, 0.3190,


 3.6321, 0.2594,


0.4053

0.7406


428.5282, 0.3189,
0.4010


 1.4700, 0.0995,
0.9005


 0.2675, 0.0000,
1.0000


 81.6406, 0.3187,
0.4604


 81.6406, 0.3187,
0.4604


 78.9051, 0.3185,
0.4944

 84.8951, 0.3181,
0.4265


 76.6732, 0.3173,
0.5266

 88.7082, 0.3169,
0.3942

 74.9091, 0.3151,
0.5545

 93.1000, 0.3153,
0.3645

 73.5774, 0.3120,
0.5761

 98.0936, 0.3134,
0.3377

■ 72.6374, 0.3082,
0.5900

100.0000, 0.3127,
0.3290

■ 72.2084, 0.3058,
0.5954

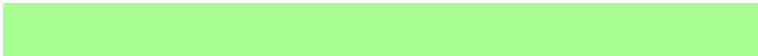
Harmonies

Analogous

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



81.6406, 0.3891, 0.4614



81.6406, 0.3187, 0.4604



81.6406, 0.2504, 0.4066

Triad

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



81.6406, 0.3187, 0.4604



81.6406, 0.1929, 0.2242



81.6406, 0.4343, 0.3142

Complementary

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



81.6406, 0.3187, 0.4604



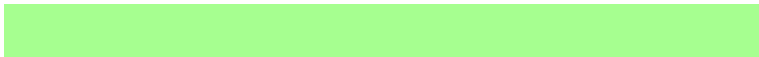
44.5064, 0.2991, 0.2159

Split Complementary

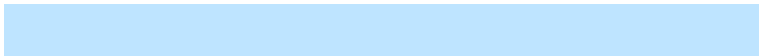
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6406, 0.3686, 0.2655



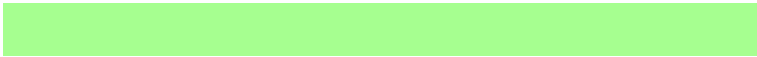
81.6406, 0.3187, 0.4604



81.6406, 0.2297, 0.2154

Square

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



81.6406, 0.3187, 0.4604



81.6406, 0.1834, 0.2609



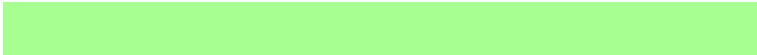
81.6406, 0.2919, 0.2306



81.6406, 0.4616, 0.3693

Rectangle

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



81.6406, 0.3187, 0.4604



81.6406, 0.2154, 0.3535



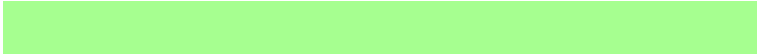
81.6406, 0.2919, 0.2306



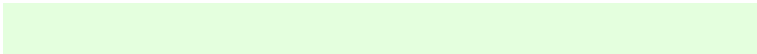
81.6406, 0.4156, 0.2969

Sweetspot

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



81.6362, 0.3187, 0.4604



93.3457, 0.3152, 0.3630



81.4409, 0.3866, 0.4178



19.7600, 0.3156, 0.3693



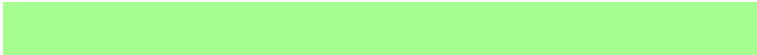
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

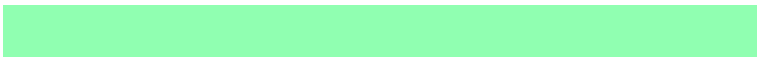
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6362, 0.3187, 0.4604



79.2879, 0.3186, 0.4893



80.6377, 0.2903, 0.4238



20.3409, 0.3146, 0.3534



37.7790, 0.3066, 0.5947



3.7212, 0.3135, 0.5893

Inverse Universe

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



44.5064, 0.2991, 0.2159



37.8612, 0.2953, 0.1951



46.4701, 0.3473, 0.2508



18.1084, 0.3106, 0.3054



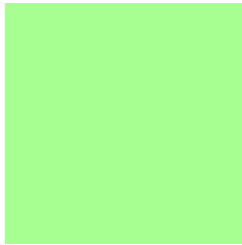
10.5886, 0.2712, 0.1268



1.0750, 0.2772, 0.1301

Previews

White Background



This preview shows how the Yxy color 81.6406, 0.3187, 0.4604 looks on a white background.

Color Contrast Check

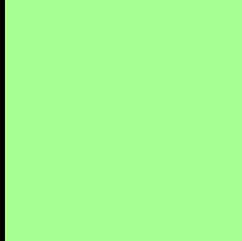
Large Text (above 18pt) WCAG AA × Fail

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 81.6406, 0.3187, 0.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

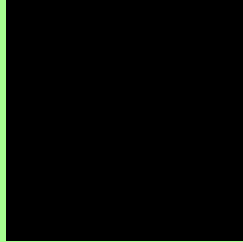
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

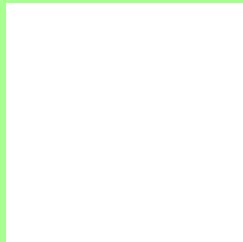
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6406, 0.3187, 0.4604

Background



This preview shows how black text looks on a background with the Yxy color 81.6406, 0.3187, 0.4604.

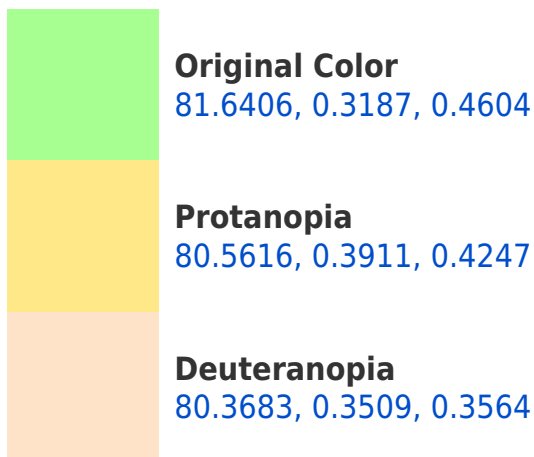


This preview shows how white text looks on a background with the Yxy color 81.6406, 0.3187, 0.4604.

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





Tritanopia

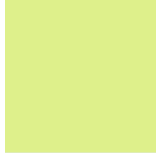
81.4105, 0.2777, 0.3129

Trichromacy



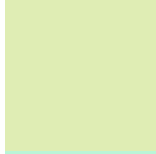
Original Color

81.6406, 0.3187, 0.4604



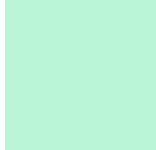
Protanomaly

79.7139, 0.3623, 0.4380



Deuteranomaly

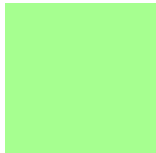
79.5516, 0.3390, 0.3911



Tritanomaly

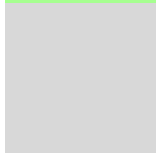
80.6502, 0.2932, 0.3629

Monochromacy



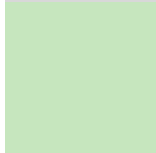
Original Color

81.6406, 0.3187, 0.4604



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3171, 0.3160, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6406, 0.3187, 0.4604 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 144) }
```

Border

The CSS property to change the border of an element to Yxy 81.6406, 0.3187, 0.4604 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, 144) }
```

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

```
.border{ border-color:rgb(166, 255, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6406, 0.3187, 0.4604 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, 144) }
```

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

```
.background{ background-color: rgb(166,  
255, 144) }
```

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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