

Converting Colors

$Yxy(82.1265, 0.3117, 0.4435)$

Have a look what the booklet for
Yxy(82.1265, 0.3117, 0.4435)
contains.

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Color

Yxy(82.0956, 0.3118, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	A6FF9E
RGB	166, 255, 158
RGB Percent	65%, 100%, 62%
CMY	0.3491, 0.0000, 0.3804
CMYK	0.35, 0.00, 0.38, 0.00
HSL	115°, 100%, 81%
HSV	115°, 38%, 100%
XYZ	57.6518, 82.0956, 45.1526
YIQ	217.3310, -21.9070, -49.0350

Conversions

Conversions Part 2

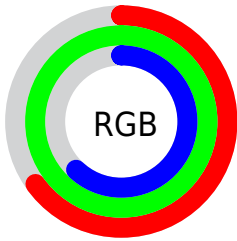
Format	Color
RYB	158, 255, 247
Decimal	10944414
CIELab	92.62, -44.93, 38.13
CIElCh	93, 58.926, 139.682
Yxy	82.0956, 0.3118, 0.4440
Android (android.graphics.Color)	4289134494 (0xFFA6FF9E)
YUV	217.3310, -29.2502, -45.0173
Hunter-Lab	90.6066, -44.9844, 33.8783

Details

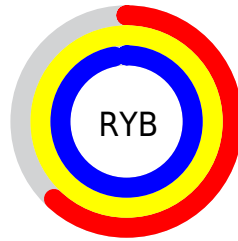
The Yxy color **82.0956, 0.3118, 0.4440** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.4522, 0.3106, 0.2328**, and the grayscale version is **69.8349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1714, 0.3175, 0.3727**, and **44.7231, 0.3092, 0.4740** is the 20% darker color. If you saturate the color by 10%, you get **79.0003, 0.3108, 0.4795**, and if you desaturate by 10%, it is **85.8261, 0.3124, 0.4098**.

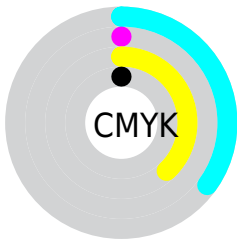
Distribution



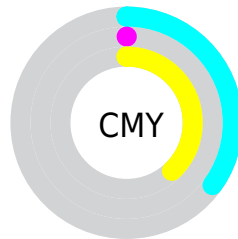
- Red (65%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)



- Cyan (35%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0956, 0.3118, 0.4440 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 82.0956, 0.3118, 0.4440 by changing the saturation by 10% instead.


 82.0956, 0.3118,
0.4440


 82.0956, 0.3118,
0.4440


501.9674, 0.3143,
0.3887

 61.4443, 0.3107,
0.4570

 136.3081, 0.3131,
0.4245

 44.5839, 0.3090,
0.4732


 170.6380, 0.3135,
0.4170

 31.1298, 0.3064,
0.4939


210.2964, 0.3137,
0.4106

 20.6977, 0.3022,
0.5212

255.6675, 0.3139,
0.4050

 12.9032, 0.2949,
0.5583

307.1358, 0.3141,
0.4002

 7.3619, 0.2815,
0.6108


365.0856, 0.3142,


 3.6895, 0.2668,

0.3959

0.7213

429.9013, 0.3142,
0.3921

 1.5014, 0.1332,
0.8668


 0.2897, 0.0000,
1.0000


 82.0956, 0.3118,
0.4440


 82.0956, 0.3118,
0.4440


 79.0003, 0.3108,
0.4795


 85.8261, 0.3124,
0.4098

 76.5146, 0.3094,
0.5142

 90.2361, 0.3127,
0.3781

 74.5950, 0.3076,
0.5456

 95.3531, 0.3128,
0.3495

 73.1966, 0.3056,
0.5711

100.0000, 0.3127,
0.3290

■ 72.2679, 0.3035,
0.5886

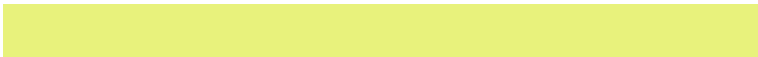
■ 71.7445, 0.3016,
0.5977

■ 71.6789, 0.3014,
0.5989

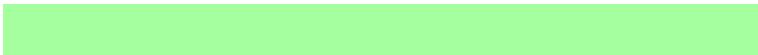
Harmonies

Analogous

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



82.0956, 0.3770, 0.4516



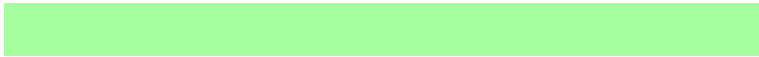
82.0956, 0.3118, 0.4440



82.0956, 0.2503, 0.3915

Triad

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



82.0956, 0.3118, 0.4440



82.0956, 0.2049, 0.2308



82.0956, 0.4279, 0.3217

Complementary

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



82.0956, 0.3118, 0.4440



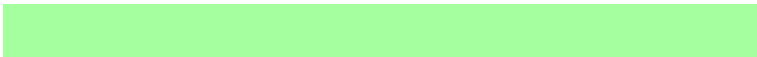
51.4522, 0.3106, 0.2328

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.



82.0956, 0.3714, 0.2753



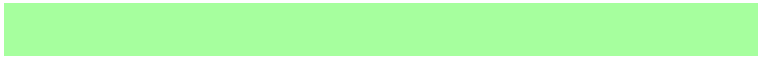
82.0956, 0.3118, 0.4440



82.0956, 0.2420, 0.2248

Square

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



82.0956, 0.3118, 0.4440



82.0956, 0.1932, 0.2623



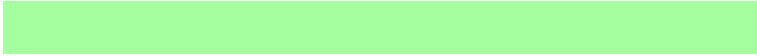
82.0956, 0.3015, 0.2410



82.0956, 0.4485, 0.3731

Rectangle

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



82.0956, 0.3118, 0.4440



82.0956, 0.2195, 0.3437



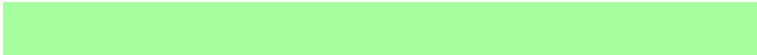
82.0956, 0.3015, 0.2410



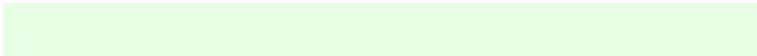
82.0956, 0.4122, 0.3054

Sweetspot

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



82.0920, 0.3118, 0.4440



93.7633, 0.3128, 0.3576



90.1989, 0.3728, 0.4169



19.9179, 0.3128, 0.3614



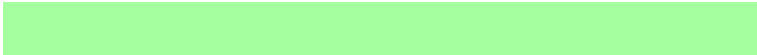
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

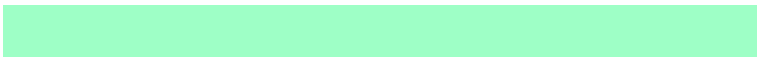
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0920, 0.3118, 0.4440



79.5807, 0.3110, 0.4722



82.8852, 0.2869, 0.3956



20.2394, 0.3128, 0.3535



37.4784, 0.3018, 0.5986



3.6725, 0.3056, 0.5955

Inverse Universe

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



51.4522, 0.3106, 0.2328



44.7886, 0.3097, 0.2138



50.5975, 0.3520, 0.2712



18.2200, 0.3125, 0.3055



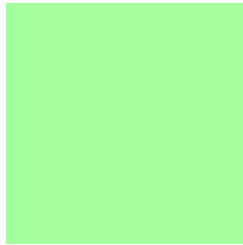
12.9486, 0.3003, 0.1428



1.2823, 0.3028, 0.1442

Previews

White Background



This preview shows how the Yxy color 82.0956, 0.3118, 0.4440 looks on a white background.

Color Contrast Check

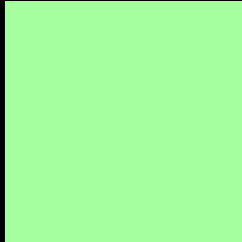
Large Text (above 18pt) WCAG AA × Fail

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 82.0956, 0.3118, 0.4440 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

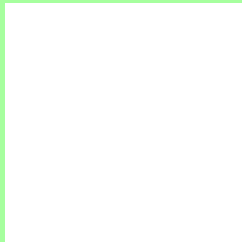
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0956, 0.3118, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 82.0956, 0.3118, 0.4440.

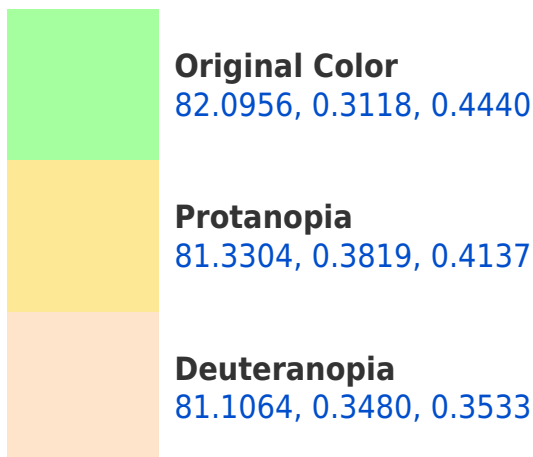


This preview shows how white text looks on a background with the Yxy color 82.0956, 0.3118, 0.4440.

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

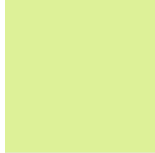
81.5459, 0.2782, 0.3130

Trichromacy



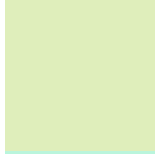
Original Color

82.0956, 0.3118, 0.4440



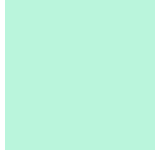
Protanomaly

80.5497, 0.3538, 0.4257



Deuteranomaly

80.4249, 0.3344, 0.3843



Tritanomaly

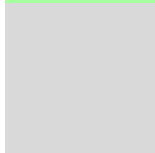
80.9112, 0.2905, 0.3571

Monochromacy



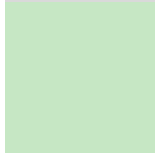
Original Color

82.0956, 0.3118, 0.4440



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1431, 0.3122, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0956, 0.3118, 0.4440 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 158) }
```

Border

The CSS property to change the border of an element to Yxy 82.0956, 0.3118, 0.4440 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, 158) }
```

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

```
.border{ border-color:rgb(166, 255, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0956, 0.3118, 0.4440 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, 158) }
```

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

```
.background{ background-color: rgb(166,  
255, 158) }
```

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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