

Converting Colors

$Yxy(82.3953, 0.3078, 0.4342)$

Have a look what the booklet for
Yxy(82.3953, 0.3078, 0.4342)
contains.

Yxy(82.3802, 0.3078, 0.4344)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.3802, 0.3078, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFA6
RGB	166, 255, 166
RGB Percent	65%, 100%, 65%
CMY	0.3489, 0.0000, 0.3491
CMYK	0.35, 0.00, 0.35, 0.00
HSL	120°, 100%, 83%
HSV	120°, 35%, 100%
XYZ	58.3716, 82.3802, 48.8895
YIQ	218.2430, -24.4750, -46.5470

Conversions

Conversions Part 2

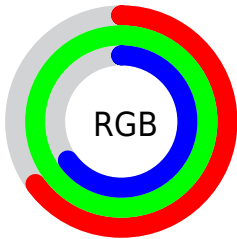
Format	Color
RYB	166, 255, 255
Decimal	10944422
CIELab	92.74, -43.72, 34.34
CIELCh	93, 55.588, 141.851
Yxy	82.3802, 0.3078, 0.4344
Android (android.graphics.Color)	4289134502 (0xFFA6FFA6)
YUV	218.2430, -25.7558, -45.8171
Hunter-Lab	90.7635, -44.0397, 31.5981

Details

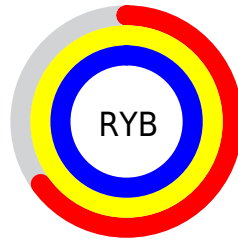
The Yxy color **82.3802, 0.3078, 0.4344** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.7352, 0.3167, 0.2422**, and the grayscale version is **70.4855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6412, 0.3123, 0.3631**, and **44.8954, 0.3045, 0.4618** is the 20% darker color. If you saturate the color by 10%, you get **79.0505, 0.3061, 0.4705**, and if you desaturate by 10%, it is **86.4460, 0.3094, 0.4002**.

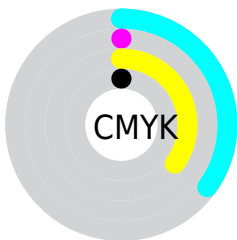
Distribution



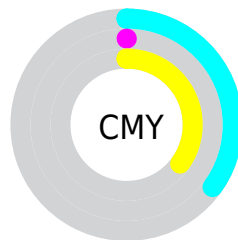
- Red (65%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3802, 0.3078, 0.4344 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 82.3802, 0.3078, 0.4344 by changing the saturation by 10% instead.

 82.3802, 0.3078,
0.4344


 82.3802, 0.3078,
0.4344


502.9186, 0.3118,
0.3838

 61.6790, 0.3065,
0.4463


 136.7070, 0.3095,
0.4165

 44.7734, 0.3046,
0.4612


 171.1015, 0.3101,
0.4097

 31.2789, 0.3018,
0.4802


210.8290, 0.3105,
0.4038

 20.8113, 0.2975,
0.5053

256.2742, 0.3109,
0.3987

 12.9862, 0.2905,
0.5398

307.8214, 0.3112,
0.3943

 7.4190, 0.2781,
0.5892

365.8549, 0.3114,


 3.7255, 0.2594,


0.3904

0.6785


430.7591, 0.3116,
0.3869


 1.5212, 0.1525,
0.8475

 0.3036, 0.0000,
1.0000

 82.3802, 0.3078,
0.4344

 82.3802, 0.3078,
0.4344


 79.0505, 0.3061,
0.4705


 86.4460, 0.3094,
0.4002

 76.4062, 0.3044,
0.5064

 91.2805, 0.3109,
0.3690

 74.4017, 0.3029,
0.5396

 96.9230, 0.3121,
0.3413

 72.9829, 0.3016,
0.5672

100.0000, 0.3127,
0.3290

■ 72.0867, 0.3006,
0.5867

■ 71.6355, 0.3001,
0.5972

■ 71.5209, 0.3000,
0.6000

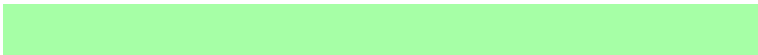
Harmonies

Analogous

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



82.3802, 0.3698, 0.4455



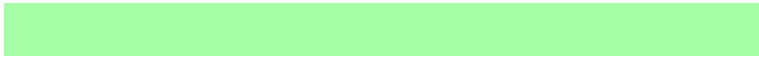
82.3802, 0.3078, 0.4344



82.3802, 0.2503, 0.3830

Triad

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



82.3802, 0.3078, 0.4344



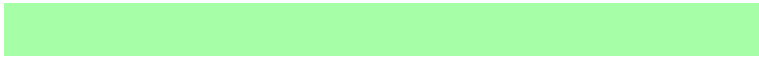
82.3802, 0.2121, 0.2348



82.3802, 0.4239, 0.3261

Complementary

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



82.3802, 0.3078, 0.4344



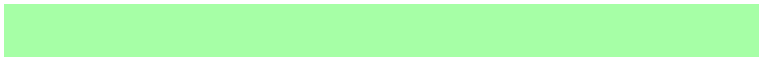
55.7352, 0.3167, 0.2422

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.



82.3802, 0.3727, 0.2811



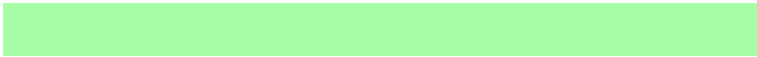
82.3802, 0.3078, 0.4344



82.3802, 0.2493, 0.2304

Square

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



82.3802, 0.3078, 0.4344



82.3802, 0.1992, 0.2633



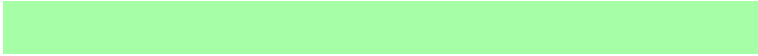
82.3802, 0.3070, 0.2472



82.3802, 0.4407, 0.3751

Rectangle

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



82.3802, 0.3078, 0.4344



82.3802, 0.2220, 0.3382



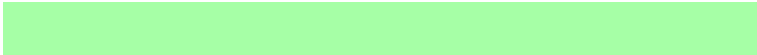
82.3802, 0.3070, 0.2472



82.3802, 0.4100, 0.3103

Sweetspot

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



82.3826, 0.3078, 0.4344



93.9479, 0.3115, 0.3549



94.5894, 0.3659, 0.4150



19.9410, 0.3113, 0.3589



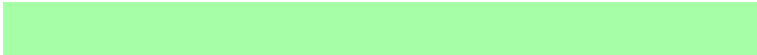
0.0000, 0.0000, 0.0000



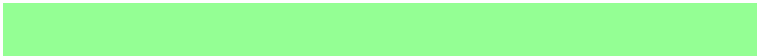
21.4041, 0.3127, 0.3290

Same Dimension

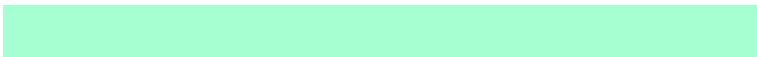
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3826, 0.3078, 0.4344



79.9472, 0.3066, 0.4599



84.2285, 0.2857, 0.3820



20.1687, 0.3116, 0.3536



37.3714, 0.3000, 0.6000



3.6389, 0.3000, 0.6000

Inverse Universe

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



55.7352, 0.3167, 0.2422



49.6168, 0.3175, 0.2256



53.2770, 0.3531, 0.2818



18.2999, 0.3138, 0.3056



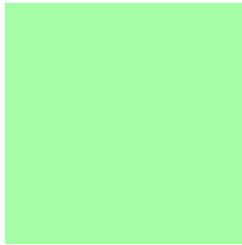
14.8672, 0.3208, 0.1541



1.4477, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 82.3802, 0.3078, 0.4344 looks on a white background.

Color Contrast Check

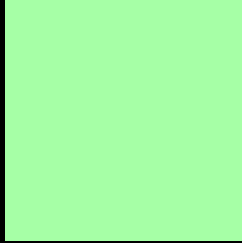
Large Text (above 18pt) WCAG AA × Fail

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 82.3802, 0.3078, 0.4344 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

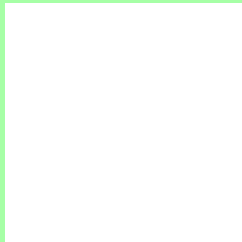
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3802, 0.3078, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 82.3802, 0.3078, 0.4344.

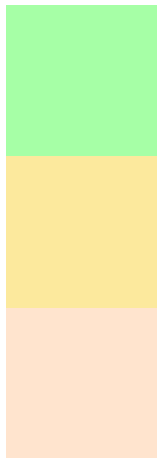


This preview shows how white text looks on a background with the Yxy color 82.3802, 0.3078, 0.4344.

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

82.3802, 0.3078, 0.4344

Protanopia

81.4076, 0.3761, 0.4062

Deuteranopia

81.2030, 0.3466, 0.3513



Tritanopia

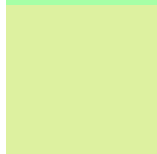
81.6823, 0.2788, 0.3130

Trichromacy



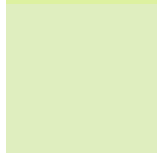
Original Color

82.3802, 0.3078, 0.4344



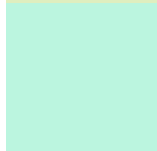
Protanomaly

80.8208, 0.3490, 0.4172



Deuteranomaly

80.5986, 0.3319, 0.3799



Tritanomaly

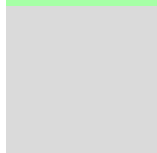
81.1973, 0.2894, 0.3536

Monochromacy



Original Color

82.3802, 0.3078, 0.4344



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4175, 0.3110, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3802, 0.3078, 0.4344 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 255, 166) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 82.3802, 0.3078, 0.4344 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, 166) }
```

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

```
.border{ border-color:rgb(166, 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(166, 255, 166)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 82.3802, 0.3078, 0.4344 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, 166) }
```

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

```
.background{ background-color: rgb(166,  
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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