

Converting Colors

Yxy(82.0214, 0.2935, 0.4147)

Have a look what the booklet for
Yxy(82.0214, 0.2935, 0.4147)
contains.

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Color

Yxy(82.0068, 0.2936, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFB7
RGB	156, 255, 183
RGB Percent	61%, 100%, 72%
CMY	0.3883, 0.0000, 0.2823
CMYK	0.39, 0.00, 0.28, 0.00
HSL	136°, 100%, 81%
HSV	136°, 39%, 100%
XYZ	58.0173, 82.0068, 57.5826
YIQ	217.1910, -35.8920, -43.3800

Conversions

Conversions Part 2

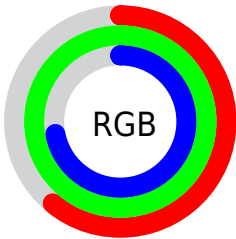
Format	Color
RYB	156, 234, 255
Decimal	10289079
CIELab	92.58, -43.87, 25.47
CIELCh	93, 50.724, 149.863
Yxy	82.0068, 0.2936, 0.4150
Android (android.graphics.Color)	4288479159 (0xFF9CFFB7)
YUV	217.1910, -16.8562, -53.6645
Hunter-Lab	90.5576, -44.1166, 25.6898

Details

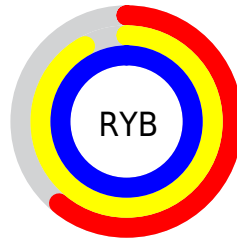
The Yxy color **82.0068, 0.2936, 0.4150** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.6323, 0.3401, 0.2565**, and the grayscale version is **69.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0481, 0.2968, 0.3456**, and **44.7092, 0.2879, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **79.0025, 0.2899, 0.4422**, and if you desaturate by 10%, it is **85.6463, 0.2981, 0.3895**.

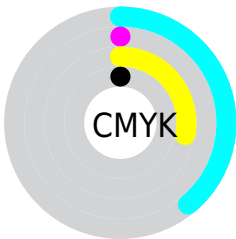
Distribution



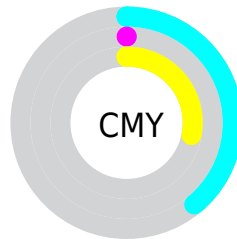
- Red (61%)
- Green (100%)
- Blue (72%)



- Red (61%)
- Yellow (92%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0068, 0.2936, 0.4150 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 82.0068, 0.2936, 0.4150 by changing the saturation by 10% instead.


 82.0068, 0.2936,
0.4150

 82.0068, 0.2936,
0.4150


501.6704, 0.3034,
0.3738

 61.3711, 0.2911,
0.4247


 136.1835, 0.2972,
0.4004

 44.5248, 0.2879,
0.4369

 170.4934, 0.2985,
0.3949

 31.0833, 0.2837,
0.4525


210.1301, 0.2997,
0.3901

 20.6623, 0.2778,
0.4733

255.4781, 0.3006,
0.3860

 12.8774, 0.2692,
0.5021

306.9217, 0.3015,
0.3823

 7.3441, 0.2557,
0.5445

364.8454, 0.3022,

 3.6782, 0.2319,

0.3792

0.6116

429.6335, 0.3028,
0.3763

■ 1.4953, 0.1445,
0.8555

■ 0.2854, 0.0000,
1.0000

■ 82.0068, 0.2936,
0.4150

■ 82.0068, 0.2936,
0.4150

■ 79.0025, 0.2899,
0.4422

■ 85.6463, 0.2981,
0.3895

■ 76.5963, 0.2872,
0.4703

■ 89.9562, 0.3030,
0.3663

■ 74.7464, 0.2859,
0.4983

■ 94.9680, 0.3082,
0.3454

■ 73.4054, 0.2861,
0.5246

100.0000, 0.3127,
0.3290

■ 72.5178, 0.2879,
0.5479

■ 72.0046, 0.2910,
0.5669

■ 71.9575, 0.2914,
0.5689

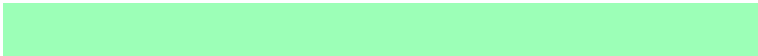
Harmonies

Analogous

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



82.0068, 0.3511, 0.4363



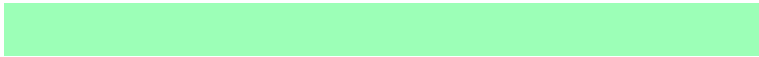
82.0068, 0.2936, 0.4150



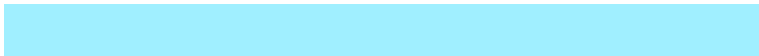
82.0068, 0.2441, 0.3623

Triad

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



82.0068, 0.2936, 0.4150



82.0068, 0.2269, 0.2389



82.0068, 0.4219, 0.3391

Complementary

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



82.0068, 0.2936, 0.4150



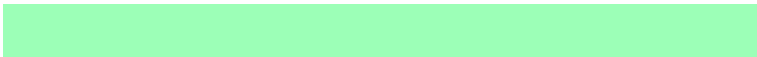
50.6323, 0.3401, 0.2565

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.



82.0068, 0.3823, 0.2954



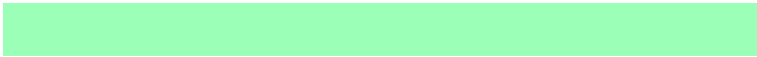
82.0068, 0.2936, 0.4150



82.0068, 0.2673, 0.2402

Square

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



82.0068, 0.2936, 0.4150



82.0068, 0.2087, 0.2597



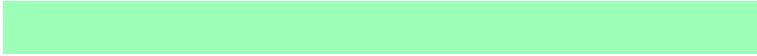
82.0068, 0.3238, 0.2604



82.0068, 0.4281, 0.3842

Rectangle

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



82.0068, 0.2936, 0.4150



82.0068, 0.2216, 0.3219



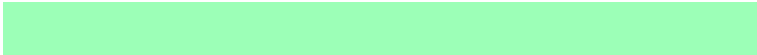
82.0068, 0.3238, 0.2604



82.0068, 0.4120, 0.3240

Sweetspot

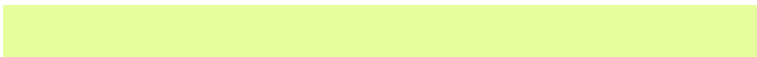
The Sweet Spot groups the original color and five complimentary colors.



82.0066, 0.2936, 0.4150



93.3005, 0.3065, 0.3518



90.5116, 0.3530, 0.4321



19.8277, 0.3058, 0.3545



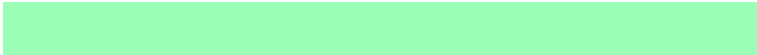
0.0000, 0.0000, 0.0000



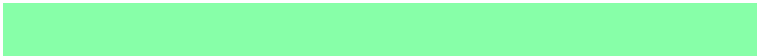
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0066, 0.2936, 0.4150



79.5059, 0.2905, 0.4371



84.4071, 0.2694, 0.3552



20.2497, 0.3078, 0.3468



37.6207, 0.2906, 0.5662



3.6804, 0.2846, 0.5444

Inverse Universe

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



50.6323, 0.3401, 0.2565



43.9185, 0.3479, 0.2420



48.2912, 0.3869, 0.3050



18.2107, 0.3180, 0.3119



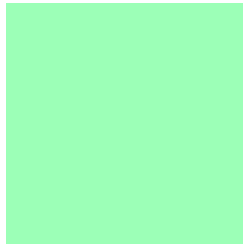
12.9737, 0.4048, 0.2004



1.2816, 0.3930, 0.1939

Previews

White Background



This preview shows how the Yxy color 82.0068, 0.2936, 0.4150 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 82.0068, 0.2936, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

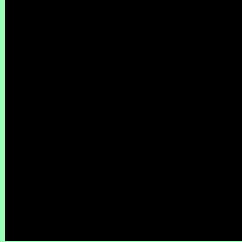
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

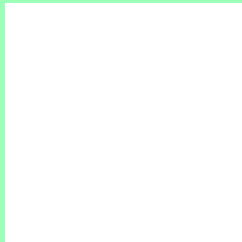
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0068, 0.2936, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 82.0068, 0.2936, 0.4150.

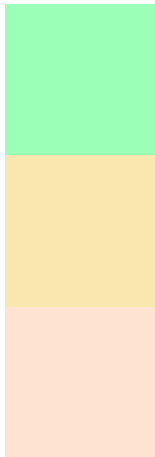


This preview shows how white text looks on a background with the Yxy color 82.0068, 0.2936, 0.4150.

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

82.0068, 0.2936, 0.4150

Protanopia

80.8701, 0.3637, 0.3897

Deuteranopia

80.8016, 0.3447, 0.3472



Tritanopia

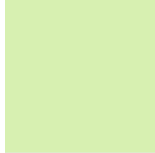
81.5999, 0.2760, 0.3139

Trichromacy



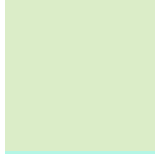
Original Color

82.0068, 0.2936, 0.4150



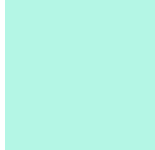
Protanomaly

79.9416, 0.3347, 0.3986



Deuteranomaly

79.7986, 0.3236, 0.3693



Tritanomaly

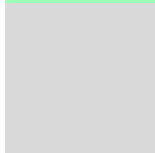
81.2720, 0.2823, 0.3480

Monochromacy



Original Color

82.0068, 0.2936, 0.4150



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1617, 0.3046, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0068, 0.2936, 0.4150 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(156, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 183)  
}
```

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(156, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 82.0068, 0.2936, 0.4150 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(156, 255, 183) }
```

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

```
.border{ border-color:rgb(156, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0068, 0.2936, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 183) }
```

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

```
.background{ background-color: rgb(156,  
255, 183) }
```

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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