

Converting Colors

$Yxy(82.9382, 0.2999, 0.4161)$

Have a look what the booklet for
Yxy(82.9382, 0.2999, 0.4161)
contains.

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Color

Yxy(82.9632, 0.3001, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFB5
RGB	166, 255, 181
RGB Percent	65%, 100%, 71%
CMY	0.3488, 0.0000, 0.2901
CMYK	0.35, 0.00, 0.29, 0.00
HSL	130°, 100%, 83%
HSV	130°, 35%, 100%
XYZ	59.8348, 82.9632, 56.5849
YIQ	219.9530, -29.2900, -41.8820

Conversions

Conversions Part 2

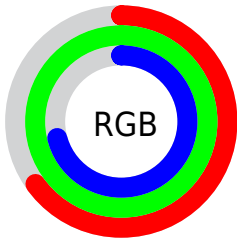
Format	Color
RYB	166, 242, 255
Decimal	10944437
CIELab	93.00, -41.30, 27.13
CIElCh	93, 49.412, 146.695
Yxy	82.9632, 0.3001, 0.4161
Android (android.graphics.Color)	4289134517 (0xFFA6FFB5)
YUV	219.9530, -19.2038, -47.3168
Hunter-Lab	91.0841, -42.1374, 26.9257

Details

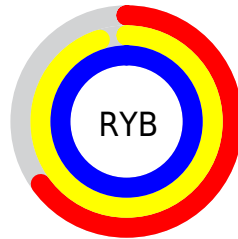
The Yxy color **82.9632, 0.3001, 0.4161** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.8415, 0.3288, 0.2553**, and the grayscale version is **71.6971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3224, 0.3033, 0.3474**, and **45.2617, 0.2954, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **79.6722, 0.2970, 0.4465**, and if you desaturate by 10%, it is **86.9400, 0.3036, 0.3877**.

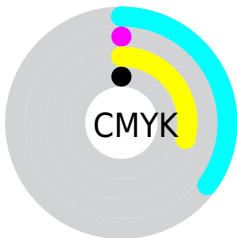
Distribution



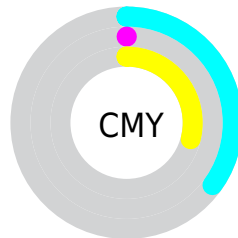
- Red (65%)
- Green (100%)
- Blue (71%)



- Red (65%)
- Yellow (95%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9632, 0.3001, 0.4161 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 82.9632, 0.3001, 0.4161 by changing the saturation by 10% instead.


 82.9632, 0.3001,
0.4161


 82.9632, 0.3001,
0.4161


504.8639, 0.3070,
0.3745

 62.1598, 0.2983,
0.4259


 137.5239, 0.3027,
0.4014

 45.1618, 0.2959,
0.4381


 172.0500, 0.3037,
0.3958

 31.5849, 0.2926,
0.4537

211.9191, 0.3044,
0.3910

 21.0446, 0.2880,
0.4744

257.5157, 0.3051,
0.3868

 13.1566, 0.2810,
0.5031

309.2240, 0.3057,
0.3832

 7.5365, 0.2696,
0.5448


367.4286, 0.3062,


 3.7998, 0.2490,


0.3799


0.6104

432.5137, 0.3066,
0.3771

 1.5622, 0.1871,
0.8129


 0.3319, 0.0000,
1.0000

 82.9632, 0.3001,
0.4161


 82.9632, 0.3001,
0.4161

 79.6722, 0.2970,
0.4465

 86.9400, 0.3036,
0.3877

 77.0182, 0.2946,
0.4780

 91.6276, 0.3073,
0.3620

 74.9624, 0.2931,
0.5090

 97.0623, 0.3109,
0.3391

 73.4573, 0.2927,
0.5376

99.9976, 0.3127,
0.3290

■ 72.4480, 0.2935,
0.5619

■ 71.8678, 0.2954,
0.5802

■ 71.6915, 0.2964,
0.5872

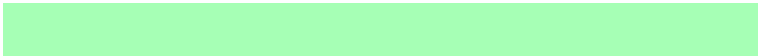
Harmonies

Analogous

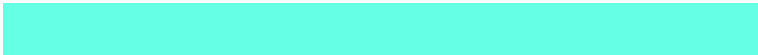
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9632, 0.3559, 0.4330



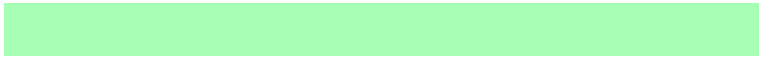
82.9632, 0.3001, 0.4161



82.9632, 0.2504, 0.3674

Triad

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



82.9632, 0.3001, 0.4161



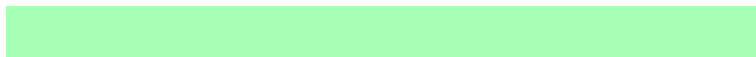
82.9632, 0.2263, 0.2425



82.9632, 0.4160, 0.3343

Complementary

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



82.9632, 0.3001, 0.4161



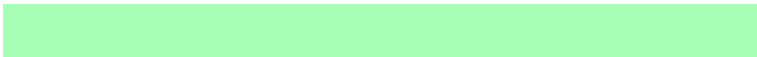
54.8415, 0.3288, 0.2553

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.



82.9632, 0.3748, 0.2923



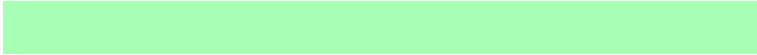
82.9632, 0.3001, 0.4161



82.9632, 0.2635, 0.2414

Square

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



82.9632, 0.3001, 0.4161



82.9632, 0.2109, 0.2652



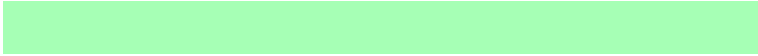
82.9632, 0.3174, 0.2594



82.9632, 0.4257, 0.3785

Rectangle

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



82.9632, 0.3001, 0.4161



82.9632, 0.2269, 0.3283



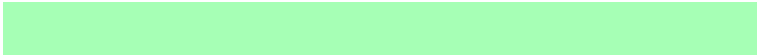
82.9632, 0.3174, 0.2594



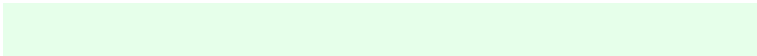
82.9632, 0.4053, 0.3197

Sweetspot

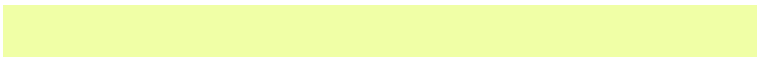
The Sweet Spot groups the original color and five complimentary colors.



82.9667, 0.3001, 0.4161



94.1890, 0.3091, 0.3505



92.8278, 0.3553, 0.4194



19.9987, 0.3085, 0.3537



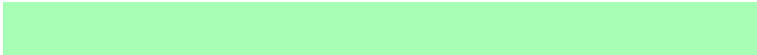
0.0000, 0.0000, 0.0000



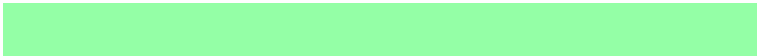
21.4041, 0.3127, 0.3290

Same Dimension

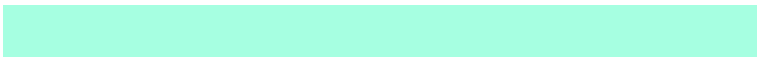
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9667, 0.3001, 0.4161



80.5571, 0.2979, 0.4376



85.0849, 0.2775, 0.3625



20.2180, 0.3092, 0.3494



37.4761, 0.2959, 0.5852



3.6622, 0.2909, 0.5672

Inverse Universe

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



54.8415, 0.3288, 0.2553



48.5213, 0.3329, 0.2407



52.5205, 0.3680, 0.2982



18.2448, 0.3164, 0.3095



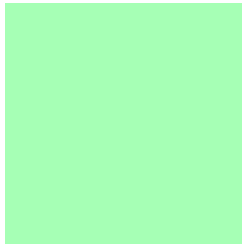
13.6140, 0.3688, 0.1805



1.3388, 0.3624, 0.1770

Previews

White Background



This preview shows how the Yxy color 82.9632, 0.3001, 0.4161 looks on a white background.

Color Contrast Check

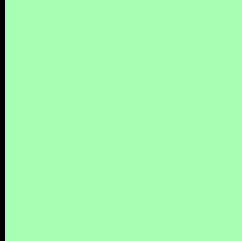
Large Text (above 18pt) WCAG AA × Fail

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 82.9632, 0.3001, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

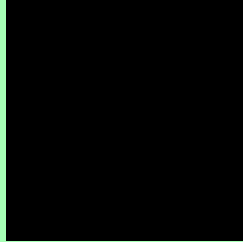
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9632, 0.3001, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 82.9632, 0.3001, 0.4161.

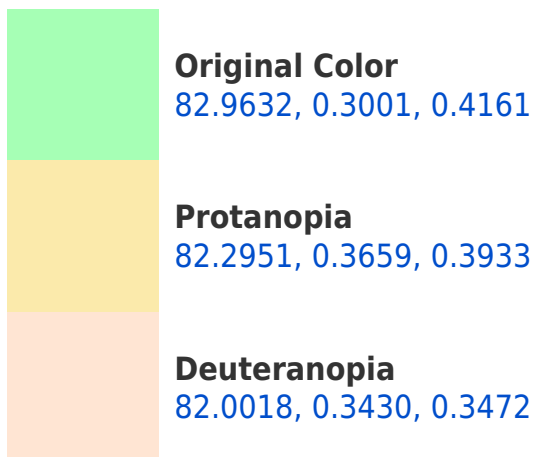


This preview shows how white text looks on a background with the Yxy color 82.9632, 0.3001, 0.4161.

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

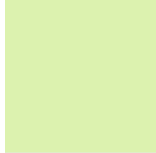
82.4100, 0.2795, 0.3141

Trichromacy



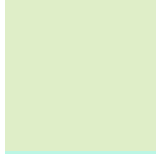
Original Color

82.9632, 0.3001, 0.4161



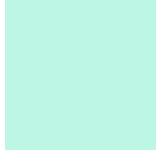
Protanomaly

81.8151, 0.3390, 0.4020



Deuteranomaly

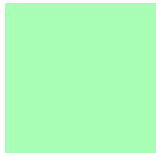
81.0072, 0.3262, 0.3700



Tritanomaly

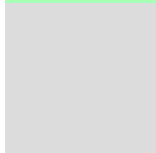
82.2043, 0.2873, 0.3489

Monochromacy



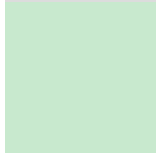
Original Color

82.9632, 0.3001, 0.4161



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.0134, 0.3073, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9632, 0.3001, 0.4161 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 82.9632, 0.3001, 0.4161 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, 181) }
```

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

```
.border{ border-color:rgb(166, 255, 181) }
```

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, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9632, 0.3001, 0.4161 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, 181) }
```

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

```
.background{ background-color: rgb(166,  
255, 181) }
```

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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