

Converting Colors

Yxy(94.9544, 0.2825, 0.4047)

Have a look what the booklet for
Yxy(94.9544, 0.2825, 0.4047)
contains.

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Color

Yxy(82.8463, 0.2811, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	9AFFCE
RGB	154, 255, 206
RGB Percent	60%, 100%, 81%
CMY	0.3958, 0.0000, 0.1921
CMYK	0.40, 0.00, 0.19, 0.00
HSL	151°, 100%, 80%
HSV	151°, 40%, 100%
XYZ	60.2382, 82.8463, 71.2101
YIQ	219.2150, -44.4670, -36.6510

Conversions

Conversions Part 2

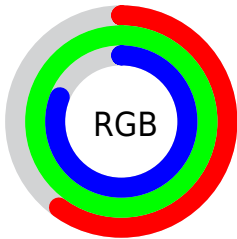
Format	Color
RYB	154, 221, 255
Decimal	10158030
CIELab	92.95, -40.11, 14.24
CIElCh	93, 42.566, 160.460
Yxy	82.8463, 0.2811, 0.3866
Android (android.graphics.Color)	4288348110 (0xFF9AFFCE)
YUV	219.2150, -6.5150, -57.1936
Hunter-Lab	91.0199, -41.1512, 17.3280

Details

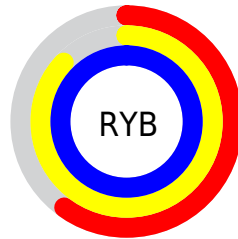
The Yxy color **82.8463, 0.2811, 0.3866** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.7113, 0.3636, 0.2785**, and the grayscale version is **71.0787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **45.1966, 0.2730, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **80.0280, 0.2751, 0.4045**, and if you desaturate by 10%, it is **86.2503, 0.2882, 0.3700**.

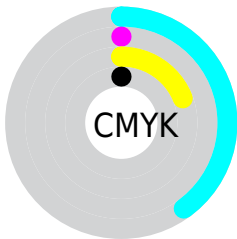
Distribution



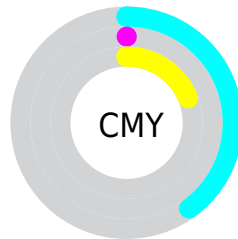
- Red (60%)
- Green (100%)
- Blue (81%)



- Red (60%)
- Yellow (87%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8463, 0.2811, 0.3866 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 82.8463, 0.2811, 0.3866 by changing the saturation by 10% instead.


 82.8463, 0.2811,
0.3866


 82.8463, 0.2811,
0.3866


504.4741, 0.2959,
0.3595

 62.0634, 0.2777,
0.3929

 137.3602, 0.2863,
0.3771

 45.0839, 0.2734,
0.4008


 171.8599, 0.2883,
0.3734

 31.5235, 0.2680,
0.4108


211.7007, 0.2900,
0.3703

 20.9978, 0.2609,
0.4241

257.2669, 0.2915,
0.3675

 13.1224, 0.2512,
0.4425

308.9430, 0.2928,
0.3651

 7.5129, 0.2370,
0.4694


367.1133, 0.2940,


 3.7849, 0.2147,


0.3630


0.5124

432.1622, 0.2950,
0.3611

 1.5540, 0.1531,
0.6210


 0.3263, 0.0000,
1.0000


 82.8463, 0.2811,
0.3866


 82.8463, 0.2811,
0.3866


 80.0280, 0.2751,
0.4045

 86.2503, 0.2882,
0.3700

 77.7501, 0.2707,
0.4232

 90.2617, 0.2961,
0.3547

 75.9771, 0.2680,
0.4425

 94.9137, 0.3045,
0.3409

 74.6646, 0.2673,
0.4618

99.9954, 0.3127,
0.3290

■ 73.7597, 0.2687,
0.4805

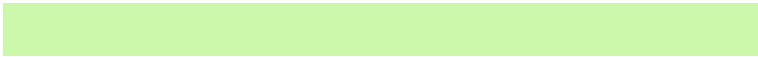
■ 73.1810, 0.2718,
0.4983

■ 73.1596, 0.2720,
0.4991

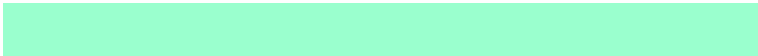
Harmonies

Analogous

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



82.8463, 0.3289, 0.4150



82.8463, 0.2811, 0.3866



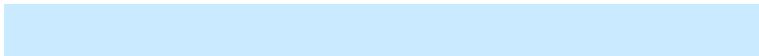
82.8463, 0.2437, 0.3393

Triad

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



82.8463, 0.2811, 0.3866



82.8463, 0.2502, 0.2507



82.8463, 0.4093, 0.3525

Complementary

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



82.8463, 0.2811, 0.3866



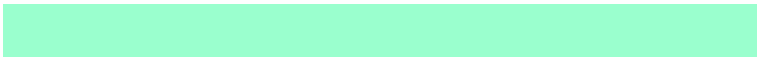
48.7113, 0.3636, 0.2785

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.



82.8463, 0.3852, 0.3137



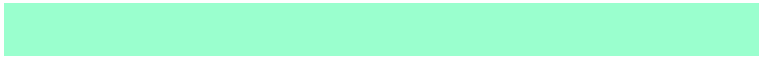
82.8463, 0.2811, 0.3866



82.8463, 0.2906, 0.2575

Square

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



82.8463, 0.2811, 0.3866



82.8463, 0.2273, 0.2623



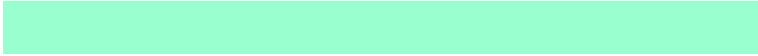
82.8463, 0.3404, 0.2800



82.8463, 0.4046, 0.3892

Rectangle

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



82.8463, 0.2811, 0.3866



82.8463, 0.2289, 0.3074



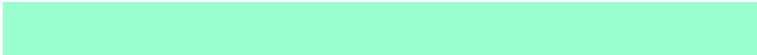
82.8463, 0.3404, 0.2800



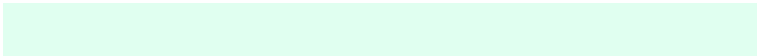
82.8463, 0.4043, 0.3394

Sweetspot

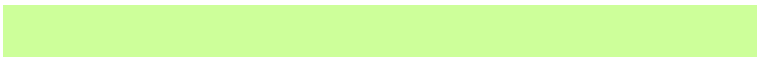
The Sweet Spot groups the original color and five complimentary colors.



82.8497, 0.2811, 0.3866



93.7312, 0.3024, 0.3441



86.7644, 0.3379, 0.4399



19.9288, 0.3013, 0.3459



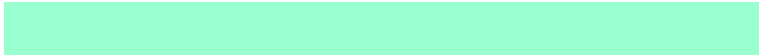
0.0000, 0.0000, 0.0000



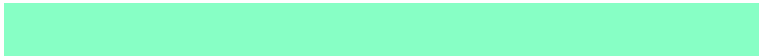
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8497, 0.2811, 0.3866



80.7063, 0.2766, 0.3998



85.6128, 0.2579, 0.3288



20.3242, 0.3045, 0.3408



38.2603, 0.2712, 0.4962



3.7474, 0.2655, 0.4758

Inverse Universe

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



48.7113, 0.3636, 0.2785



42.4949, 0.3776, 0.2693



46.7320, 0.4132, 0.3293



18.1340, 0.3218, 0.3175



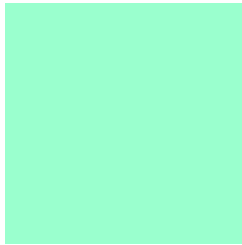
11.8963, 0.5026, 0.2542



1.1803, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 82.8463, 0.2811, 0.3866 looks on a white background.

Color Contrast Check

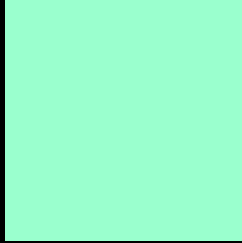
Large Text (above 18pt) WCAG AA × Fail

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 82.8463, 0.2811, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

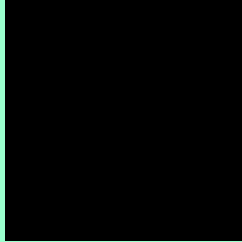
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

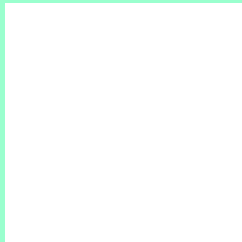
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8463, 0.2811, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 82.8463, 0.2811, 0.3866.

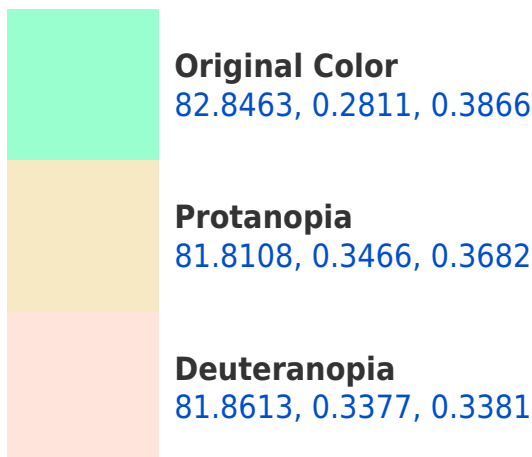


This preview shows how white text looks on a background with the Yxy color 82.8463, 0.2811, 0.3866.

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

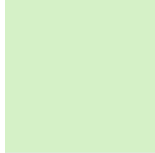
82.3264, 0.2767, 0.3150

Trichromacy



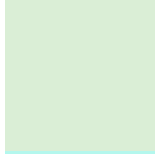
Original Color

82.8463, 0.2811, 0.3866



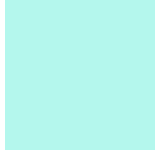
Protanomaly

81.1802, 0.3197, 0.3751



Deuteranomaly

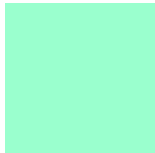
80.9095, 0.3142, 0.3549



Tritanomaly

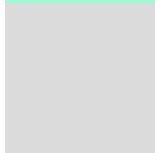
82.3393, 0.2782, 0.3400

Monochromacy



Original Color

82.8463, 0.2811, 0.3866



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.1704, 0.2992, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8463, 0.2811, 0.3866 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(154, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 206)  
}
```

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(154, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 82.8463, 0.2811, 0.3866 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(154, 255, 206) }
```

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

```
.border{ border-color:rgb(154, 255, 206) }
```

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

Here you see how a box with a 4 pixel rgb(154, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8463, 0.2811, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 206) }
```

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

```
.background{ background-color: rgb(154,  
255, 206) }
```

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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