

Converting Colors

$Yxy(82.4845, 0.2833, 0.3936)$

Have a look what the booklet for
Yxy(82.4845, 0.2833, 0.3936)
contains.

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Color

Yxy(82.4624, 0.2835, 0.3941)

Conversions

Conversions Part 1

Format	Color
Hex	99FFC8
RGB	153, 255, 200
RGB Percent	60%, 100%, 78%
CMY	0.4002, 0.0000, 0.2155
CMYK	0.40, 0.00, 0.22, 0.00
HSL	148°, 100%, 80%
HSV	148°, 40%, 100%
XYZ	59.3202, 82.4624, 67.4597
YIQ	218.2320, -43.1370, -38.7290

Conversions

Conversions Part 2

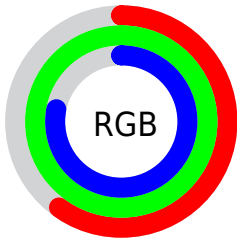
Format	Color
RYB	153, 223, 255
Decimal	10092488
CIELab	92.78, -41.58, 17.05
CIElCh	93, 44.941, 157.705
Yxy	82.4624, 0.2835, 0.3941
Android (android.graphics.Color)	4288282568 (0xFF99FFC8)
YUV	218.2320, -8.9884, -57.2085
Hunter-Lab	90.8088, -42.3116, 19.5210

Details

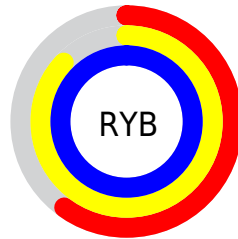
The Yxy color **82.4624, 0.2835, 0.3941** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.5793, 0.3591, 0.2726**, and the grayscale version is **70.3591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **44.9503, 0.2760, 0.4107** is the 20% darker color. If you saturate the color by 10%, you get **79.6258, 0.2781, 0.4141**, and if you desaturate by 10%, it is **85.8832, 0.2900, 0.3754**.

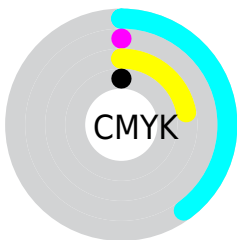
Distribution



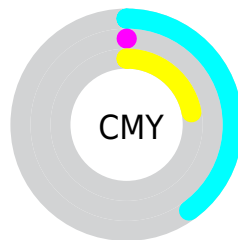
- Red (60%)
- Green (100%)
- Blue (78%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4624, 0.2835, 0.3941 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 82.4624, 0.2835, 0.3941 by changing the saturation by 10% instead.


 82.4624, 0.2835,
0.3941


 82.4624, 0.2835,
0.3941


503.1931, 0.2974,
0.3632

 61.7468, 0.2802,
0.4013


 136.8223, 0.2884,
0.3833

 44.8281, 0.2762,
0.4103


 171.2353, 0.2903,
0.3791

 31.3220, 0.2710,
0.4219

210.9828, 0.2919,
0.3755

 20.8442, 0.2640,
0.4372

256.4494, 0.2933,
0.3724

 13.0102, 0.2544,
0.4584

308.0193, 0.2945,
0.3697

 7.4355, 0.2403,
0.4896


366.0769, 0.2956,


 3.7360, 0.2174,


0.3673


0.5396

431.0067, 0.2965,
0.3651

 1.5270, 0.1495,
0.6925


 0.3076, 0.0000,
1.0000


 82.4624, 0.2835,
0.3941


 82.4624, 0.2835,
0.3941


 79.6258, 0.2781,
0.4141


 85.8832, 0.2900,
0.3754

 77.3432, 0.2742,
0.4351

 89.9261, 0.2972,
0.3583

 75.5732, 0.2720,
0.4565

 94.6193, 0.3048,
0.3428

 74.2705, 0.2717,
0.4778

99.9910, 0.3127,
0.3290

■ 73.3815, 0.2735,
0.4981

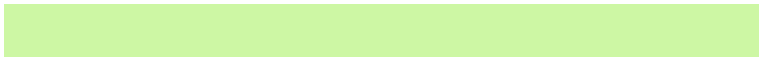
100.0000, 0.3127,
0.3290

■ 72.8200, 0.2769,
0.5169

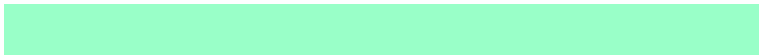
Harmonies

Analogous

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



82.4624, 0.3342, 0.4215



82.4624, 0.2835, 0.3941



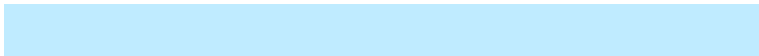
82.4624, 0.2428, 0.3446

Triad

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



82.4624, 0.2835, 0.3941



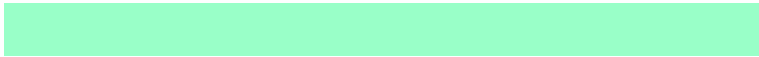
82.4624, 0.2438, 0.2469



82.4624, 0.4138, 0.3496

Complementary

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



82.4624, 0.2835, 0.3941



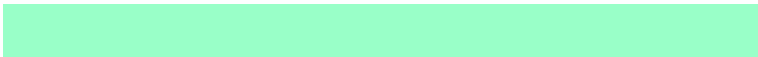
48.5793, 0.3591, 0.2726

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.



82.4624, 0.3857, 0.3091



82.4624, 0.2835, 0.3941



82.4624, 0.2847, 0.2525

Square

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



82.4624, 0.2835, 0.3941



82.4624, 0.2217, 0.2607



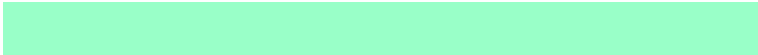
82.4624, 0.3369, 0.2747



82.4624, 0.4115, 0.3889

Rectangle

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



82.4624, 0.2835, 0.3941



82.4624, 0.2260, 0.3102



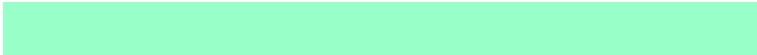
82.4624, 0.3369, 0.2747



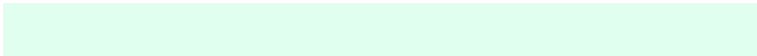
82.4624, 0.4076, 0.3359

Sweetspot

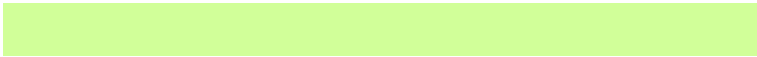
The Sweet Spot groups the original color and five complimentary colors.



82.4606, 0.2835, 0.3941



93.6349, 0.3033, 0.3458



87.3859, 0.3415, 0.4400



19.9061, 0.3023, 0.3477



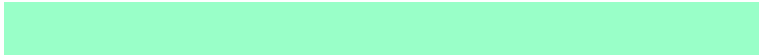
0.0000, 0.0000, 0.0000



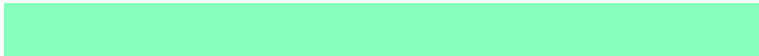
21.4041, 0.3127, 0.3290

Same Dimension

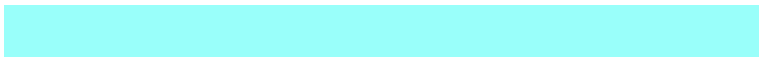
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4606, 0.2835, 0.3941



80.1516, 0.2791, 0.4100



85.1842, 0.2597, 0.3345



20.3076, 0.3052, 0.3421



38.0794, 0.2761, 0.5139



3.7294, 0.2701, 0.4922

Inverse Universe

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



48.5793, 0.3591, 0.2726



42.0270, 0.3726, 0.2618



46.5002, 0.4096, 0.3239



18.1507, 0.3209, 0.3163



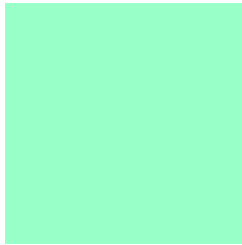
12.0881, 0.4801, 0.2418



1.1991, 0.4569, 0.2291

Previews

White Background



This preview shows how the Yxy color 82.4624, 0.2835, 0.3941 looks on a white background.

Color Contrast Check

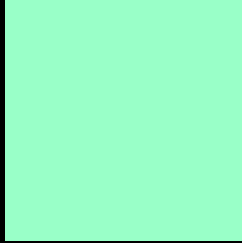
Large Text (above 18pt) WCAG AA × Fail

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 82.4624, 0.2835, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

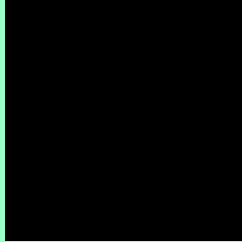
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4624, 0.2835, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 82.4624, 0.2835, 0.3941.

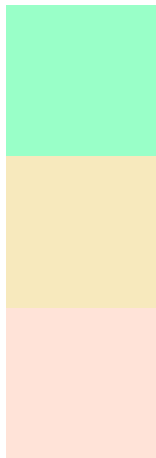


This preview shows how white text looks on a background with the Yxy color 82.4624, 0.2835, 0.3941.

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

82.4624, 0.2835, 0.3941

Protanopia

81.7261, 0.3513, 0.3744

Deuteranopia

81.1560, 0.3399, 0.3401



Tritanopia

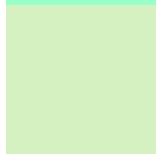
82.1936, 0.2761, 0.3150

Trichromacy



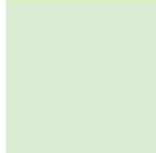
Original Color

82.4624, 0.2835, 0.3941



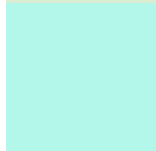
Protanomaly

80.9070, 0.3234, 0.3818



Deuteranomaly

80.1269, 0.3167, 0.3582



Tritanomaly

82.1034, 0.2787, 0.3423

Monochromacy



Original Color

82.4624, 0.2835, 0.3941



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3243, 0.3003, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4624, 0.2835, 0.3941 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(153, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 200)  
}
```

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(153, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 82.4624, 0.2835, 0.3941 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(153, 255, 200) }
```

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

```
.border{ border-color:rgb(153, 255, 200) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4624, 0.2835, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 200) }
```

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

```
.background{ background-color: rgb(153,  
255, 200) }
```

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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