

Converting Colors

$Y_{xy}(100.4474, 0.2832, 0.4108)$

Have a look what the booklet for
Yxy(100.4474, 0.2832, 0.4108)
contains.

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Color

Yxy(82.9936, 0.2811, 0.3853)

Conversions

Conversions Part 1

Format	Color
Hex	9BFFCF
RGB	155, 255, 207
RGB Percent	61%, 100%, 81%
CMY	0.3919, 0.0000, 0.1882
CMYK	0.39, 0.00, 0.19, 0.00
HSL	151°, 100%, 80%
HSV	151°, 39%, 100%
XYZ	60.5489, 82.9936, 71.8574
YIQ	219.6280, -44.1920, -36.1280

Conversions

Conversions Part 2

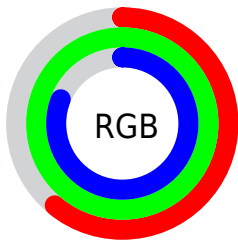
Format	Color
RYB	155, 221, 255
Decimal	10223567
CIELab	93.01, -39.66, 13.82
CIELCh	93, 41.996, 160.782
Yxy	82.9936, 0.2811, 0.3853
Android (android.graphics.Color)	4288413647 (0xFF9BFFCF)
YUV	219.6280, -6.2256, -56.6788
Hunter-Lab	91.1008, -40.7888, 17.0045

Details

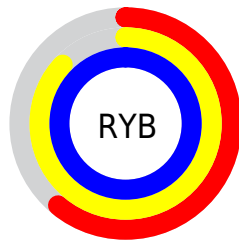
The Yxy color **82.9936, 0.2811, 0.3853** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.0389, 0.3634, 0.2795**, and the grayscale version is **71.3765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **45.3407, 0.2735, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **80.1574, 0.2750, 0.4029**, and if you desaturate by 10%, it is **86.4158, 0.2883, 0.3689**.

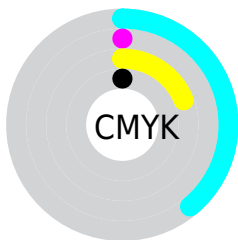
Distribution



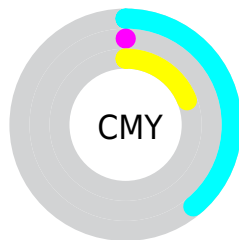
- Red (61%)
- Green (100%)
- Blue (81%)



- Red (61%)
- Yellow (87%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9936, 0.2811, 0.3853 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 82.9936, 0.2811, 0.3853 by changing the saturation by 10% instead.


 82.9936, 0.2811,
0.3853


 82.9936, 0.2811,
0.3853


504.9652, 0.2959,
0.3588

 62.1849, 0.2777,
0.3915

 137.5665, 0.2863,
0.3760

 45.1821, 0.2735,
0.3991


 172.0995, 0.2883,
0.3724

 31.6009, 0.2681,
0.4089


211.9759, 0.2900,
0.3694

 21.0568, 0.2610,
0.4219

257.5804, 0.2915,
0.3667

 13.1655, 0.2514,
0.4397

309.2971, 0.2928,
0.3643

 7.5426, 0.2373,
0.4659


367.5106, 0.2939,


 3.8037, 0.2153,


0.3623


0.5076


432.6051, 0.2950,
0.3604


 1.5644, 0.1562,
0.6093


 0.3334, 0.0000,
1.0000


 82.9936, 0.2811,
0.3853


 82.9936, 0.2811,
0.3853


 80.1574, 0.2750,
0.4029

 86.4158, 0.2883,
0.3689

 77.8622, 0.2705,
0.4214

 90.4456, 0.2963,
0.3539

 76.0727, 0.2677,
0.4405

 95.1160, 0.3047,
0.3402

 74.7445, 0.2669,
0.4596

99.9969, 0.3127,
0.3290

■ 73.8256, 0.2681,
0.4782

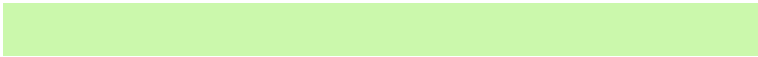
■ 73.2379, 0.2712,
0.4959

■ 73.1971, 0.2715,
0.4973

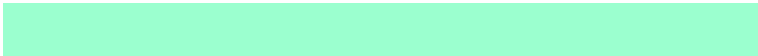
Harmonies

Analogous

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



82.9936, 0.3282, 0.4136



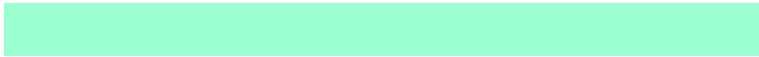
82.9936, 0.2811, 0.3853



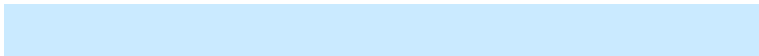
82.9936, 0.2443, 0.3387

Triad

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



82.9936, 0.2811, 0.3853



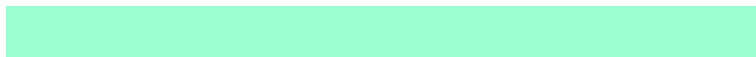
82.9936, 0.2514, 0.2517



82.9936, 0.4080, 0.3527

Complementary

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



82.9936, 0.2811, 0.3853



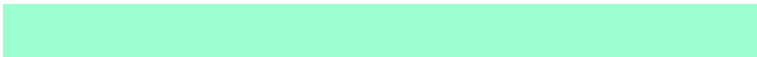
49.0389, 0.3634, 0.2795

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.



82.9936, 0.3846, 0.3143



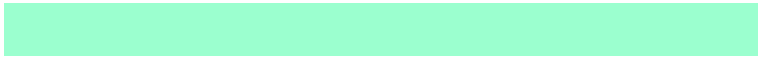
82.9936, 0.2811, 0.3853



82.9936, 0.2914, 0.2586

Square

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



82.9936, 0.2811, 0.3853



82.9936, 0.2285, 0.2630



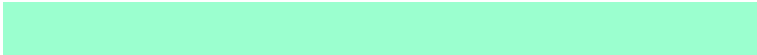
82.9936, 0.3405, 0.2810



82.9936, 0.4032, 0.3889

Rectangle

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



82.9936, 0.2811, 0.3853



82.9936, 0.2298, 0.3073



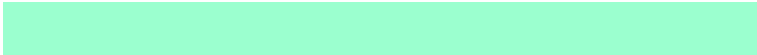
82.9936, 0.3405, 0.2810



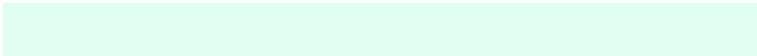
82.9936, 0.4032, 0.3398

Sweetspot

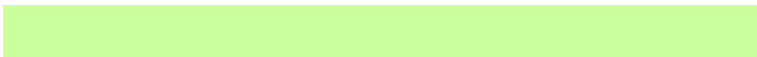
The Sweet Spot groups the original color and five complimentary colors.



82.9970, 0.2811, 0.3853



93.7406, 0.3023, 0.3439



86.6336, 0.3366, 0.4391



19.9310, 0.3012, 0.3457



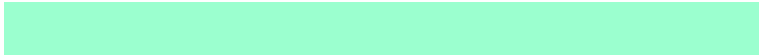
0.0000, 0.0000, 0.0000



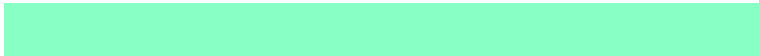
21.4041, 0.3127, 0.3290

Same Dimension

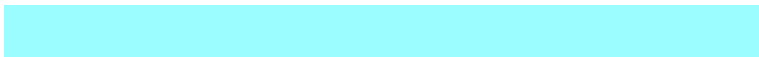
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9970, 0.2811, 0.3853



80.7345, 0.2763, 0.3990



84.6537, 0.2581, 0.3270



20.3259, 0.3044, 0.3407



38.2791, 0.2707, 0.4944



3.7492, 0.2651, 0.4742

Inverse Universe

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



49.0389, 0.3634, 0.2795



42.4674, 0.3783, 0.2699



47.6514, 0.4111, 0.3310



18.1324, 0.3218, 0.3176



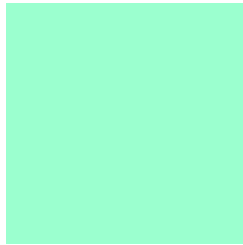
11.8791, 0.5048, 0.2555



1.1786, 0.4783, 0.2408

Previews

White Background



This preview shows how the Yxy color 82.9936, 0.2811, 0.3853 looks on a white background.

Color Contrast Check

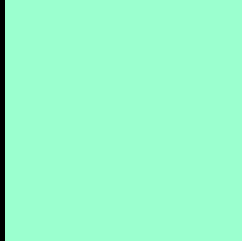
Large Text (above 18pt) WCAG AA × Fail

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 82.9936, 0.2811, 0.3853 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 82.9936, 0.2811, 0.3853

Background



This preview shows how black text looks on a background with the Yxy color 82.9936, 0.2811, 0.3853.

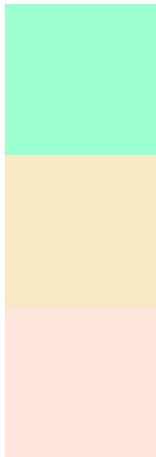


This preview shows how white text looks on a background with the Yxy color 82.9936, 0.2811, 0.3853.

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

82.9936, 0.2811, 0.3853

Protanopia

81.8562, 0.3459, 0.3672

Deuteranopia

81.9141, 0.3370, 0.3371



Tritanopia

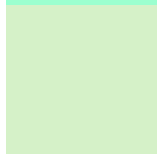
82.4600, 0.2773, 0.3151

Trichromacy



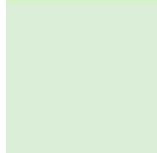
Original Color

82.9936, 0.2811, 0.3853



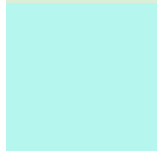
Protanomaly

81.2269, 0.3191, 0.3739



Deuteranomaly

81.1154, 0.3142, 0.3537



Tritanomaly

82.5183, 0.2782, 0.3389

Monochromacy



Original Color

82.9936, 0.2811, 0.3853



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.9199, 0.2992, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9936, 0.2811, 0.3853 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(155, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 207)  
}
```

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(155, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 82.9936, 0.2811, 0.3853 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(155, 255, 207) }
```

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

```
.border{ border-color:rgb(155, 255, 207) }
```

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

Here you see how a box with a 4 pixel rgb(155, 255, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9936, 0.2811, 0.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 207) }
```

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

```
.background{ background-color: rgb(155,  
255, 207) }
```

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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