

Converting Colors

Yxy(87.6183, 0.2854, 0.3902)

Have a look what the booklet for
Yxy(87.6183, 0.2854, 0.3902)
contains.

Yxy(83.8115, 0.2852, 0.3847)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.8115, 0.2852, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFCF
RGB	163, 255, 207
RGB Percent	64%, 100%, 81%
CMY	0.3605, 0.0000, 0.1883
CMYK	0.36, 0.00, 0.19, 0.00
HSL	149°, 100%, 82%
HSV	149°, 36%, 100%
XYZ	62.1342, 83.8115, 71.9162
YIQ	222.0200, -39.4240, -34.4320

Conversions

Conversions Part 2

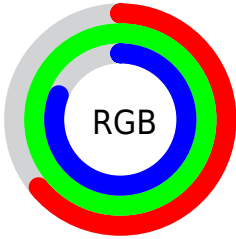
Format	Color
RYB	163, 225, 255
Decimal	10747855
CIELab	93.37, -37.47, 14.39
CIELCh	93, 40.140, 158.990
Yxy	83.8115, 0.2852, 0.3847
Android (android.graphics.Color)	4288937935 (0xFFA3FFCF)
YUV	222.0200, -7.4049, -51.7605
Hunter-Lab	91.5486, -39.0618, 17.5086

Details

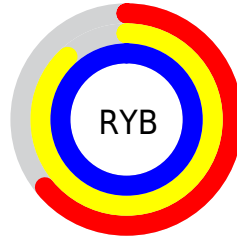
The Yxy color **83.8115, 0.2852, 0.3847** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.1859, 0.3544, 0.2797**, and the grayscale version is **73.1468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **45.8139, 0.2780, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **80.7635, 0.2792, 0.4036**, and if you desaturate by 10%, it is **87.4641, 0.2922, 0.3672**.

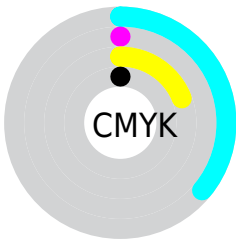
Distribution



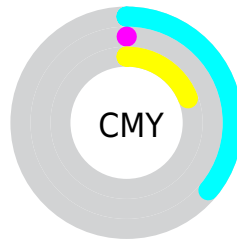
- Red (64%)
- Green (100%)
- Blue (81%)



- Red (64%)
- Yellow (88%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8115, 0.2852, 0.3847 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 83.8115, 0.2852, 0.3847 by changing the saturation by 10% instead.

 83.8115, 0.2852,
0.3847

 83.8115, 0.2852,
0.3847


507.6871, 0.2981,
0.3585

 62.8598, 0.2822,
0.3908


 138.7115, 0.2897,
0.3755

 45.7278, 0.2785,
0.3983


 173.4285, 0.2915,
0.3720

 32.0311, 0.2738,
0.4080


213.5029, 0.2930,
0.3690

 21.3852, 0.2676,
0.4207

259.3188, 0.2943,
0.3663

 13.4059, 0.2590,
0.4382

311.2608, 0.2954,
0.3640

 7.7086, 0.2465,
0.4638


369.7133, 0.2964,


 3.9091, 0.2268,


0.3620


0.5045


435.0606, 0.2973,
0.3602

 1.6228, 0.1809,
0.5966

 0.3729, 0.0000,
1.0000

 83.8115, 0.2852,
0.3847


 83.8115, 0.2852,
0.3847


 80.7635, 0.2792,
0.4036


 87.4641, 0.2922,
0.3672

 78.2756, 0.2745,
0.4236

 91.7423, 0.2998,
0.3513

 76.3135, 0.2714,
0.4443

 96.6786, 0.3078,
0.3369

 74.8345, 0.2703,
0.4650

99.9973, 0.3127,
0.3290

■ 73.7892, 0.2712,
0.4853

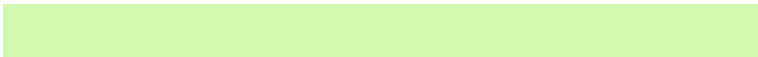
■ 73.1160, 0.2740,
0.5044

■ 72.9173, 0.2754,
0.5116

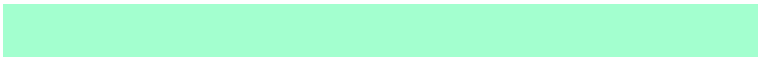
Harmonies

Analogous

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



83.8115, 0.3304, 0.4101



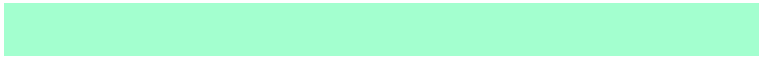
83.8115, 0.2852, 0.3847



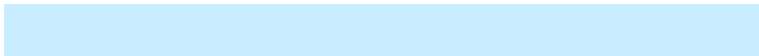
83.8115, 0.2491, 0.3411

Triad

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



83.8115, 0.2852, 0.3847



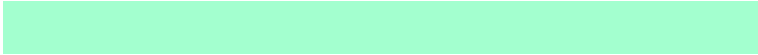
83.8115, 0.2523, 0.2552



83.8115, 0.4029, 0.3497

Complementary

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



83.8115, 0.2852, 0.3847



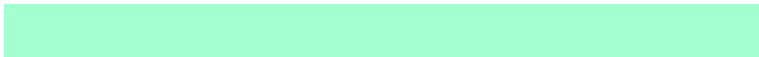
52.1859, 0.3544, 0.2797

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.



83.8115, 0.3791, 0.3130



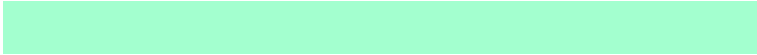
83.8115, 0.2852, 0.3847



83.8115, 0.2898, 0.2607

Square

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



83.8115, 0.2852, 0.3847



83.8115, 0.2315, 0.2673



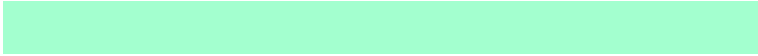
83.8115, 0.3365, 0.2814



83.8115, 0.4000, 0.3846

Rectangle

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



83.8115, 0.2852, 0.3847



83.8115, 0.2344, 0.3110



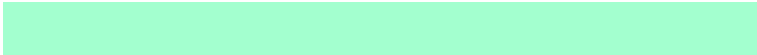
83.8115, 0.3365, 0.2814



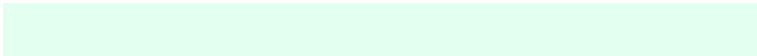
83.8115, 0.3977, 0.3373

Sweetspot

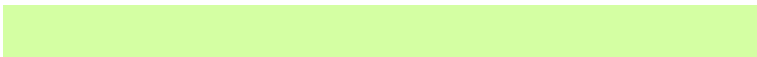
The Sweet Spot groups the original color and five complimentary colors.



83.8149, 0.2852, 0.3847



94.1547, 0.3038, 0.3438



88.1756, 0.3380, 0.4285



20.0110, 0.3027, 0.3458



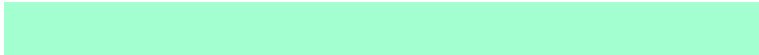
0.0000, 0.0000, 0.0000



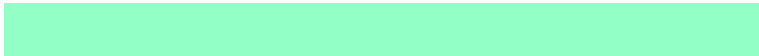
21.4041, 0.3127, 0.3290

Same Dimension

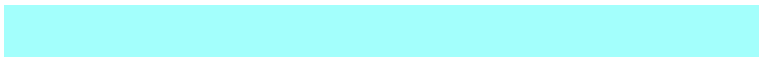
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8149, 0.2852, 0.3847



81.6359, 0.2809, 0.3977



86.3351, 0.2634, 0.3322



20.3127, 0.3050, 0.3417



38.1320, 0.2746, 0.5086



3.7347, 0.2687, 0.4872

Inverse Universe

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



52.1859, 0.3544, 0.2797



45.9121, 0.3658, 0.2702



50.2363, 0.3975, 0.3260



18.1456, 0.3212, 0.3166



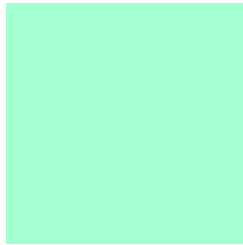
12.0271, 0.4869, 0.2456



1.1931, 0.4628, 0.2323

Previews

White Background



This preview shows how the Yxy color 83.8115, 0.2852, 0.3847 looks on a white background.

Color Contrast Check

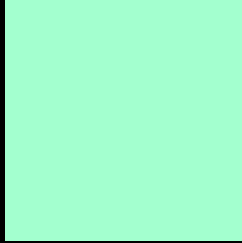
Large Text (above 18pt) WCAG AA × Fail

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 83.8115, 0.2852, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

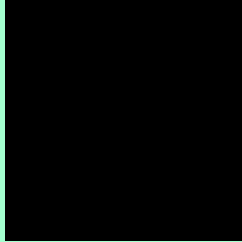
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8115, 0.2852, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 83.8115, 0.2852, 0.3847.

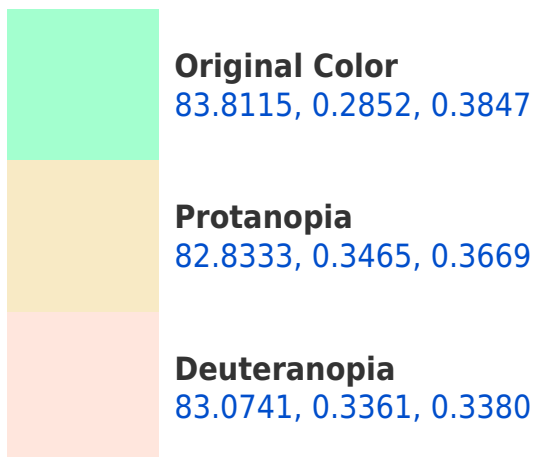


This preview shows how white text looks on a background with the Yxy color 83.8115, 0.2852, 0.3847.

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

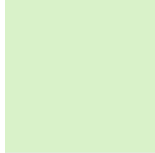
83.1418, 0.2801, 0.3152

Trichromacy



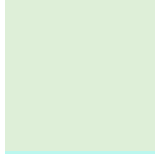
Original Color

83.8115, 0.2852, 0.3847



Protanomaly

82.4730, 0.3211, 0.3735



Deuteranomaly

82.2205, 0.3155, 0.3535



Tritanomaly

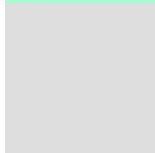
83.2594, 0.2815, 0.3388

Monochromacy



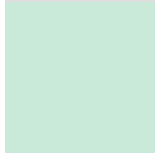
Original Color

83.8115, 0.2852, 0.3847



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2729, 0.3013, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8115, 0.2852, 0.3847 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(163, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 83.8115, 0.2852, 0.3847 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(163, 255, 207) }
```

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

```
.border{ border-color:rgb(163, 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(163, 255, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8115, 0.2852, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 207) }
```

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

```
.background{ background-color: rgb(163,  
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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