

Converting Colors

Yxy(116.1769, 0.2872, 0.4296)

Have a look what the booklet for
Yxy(116.1769, 0.2872, 0.4296)
contains.

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Color

Yxy(83.4498, 0.2841, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFCE
RGB	160, 255, 206
RGB Percent	63%, 100%, 81%
CMY	0.3724, 0.0000, 0.1920
CMYK	0.37, 0.00, 0.19, 0.00
HSL	149°, 100%, 81%
HSV	149°, 37%, 100%
XYZ	61.4040, 83.4498, 71.2814
YIQ	221.0090, -40.8910, -35.3790

Conversions

Conversions Part 2

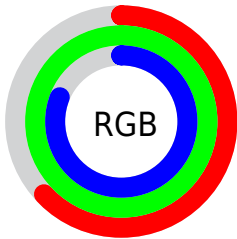
Format	Color
RYB	160, 224, 255
Decimal	10551246
CIELab	93.21, -38.50, 14.63
CIELCh	93, 41.187, 159.188
Yxy	83.4498, 0.2841, 0.3861
Android (android.graphics.Color)	4288741326 (0xFFA0FFCE)
YUV	221.0090, -7.3994, -53.5049
Hunter-Lab	91.3509, -39.8803, 17.6814

Details

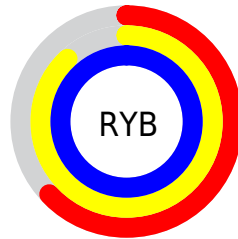
The Yxy color **83.4498, 0.2841, 0.3861** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.0136, 0.3568, 0.2787**, and the grayscale version is **72.3945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **45.5982, 0.2769, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **80.4759, 0.2782, 0.4049**, and if you desaturate by 10%, it is **87.0229, 0.2911, 0.3687**.

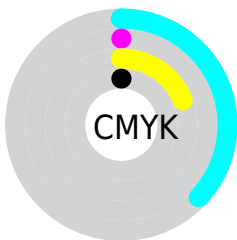
Distribution



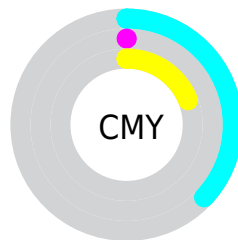
- Red (63%)
- Green (100%)
- Blue (81%)



- Red (63%)
- Yellow (88%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4498, 0.2841, 0.3861 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 83.4498, 0.2841, 0.3861 by changing the saturation by 10% instead.


 83.4498, 0.2841,
0.3861


 83.4498, 0.2841,
0.3861


506.4844, 0.2975,
0.3592

 62.5613, 0.2810,
0.3923


 138.2053, 0.2888,
0.3767

 45.4864, 0.2771,
0.4001


 172.8410, 0.2906,
0.3731

 31.8407, 0.2722,
0.4100


212.8279, 0.2922,
0.3699

 21.2399, 0.2657,
0.4231

258.5505, 0.2935,
0.3672

 13.2994, 0.2568,
0.4412

310.3930, 0.2947,
0.3649

 7.6351, 0.2437,
0.4677


368.7399, 0.2958,


 3.8623, 0.2231,


0.3628


0.5098


433.9755, 0.2967,
0.3609


 1.5969, 0.1721,
0.6103

 0.3555, 0.0000,
1.0000


 83.4498, 0.2841,
0.3861


 83.4498, 0.2841,
0.3861


 80.4759, 0.2782,
0.4049

 87.0229, 0.2911,
0.3687

 78.0566, 0.2736,
0.4247

 91.2167, 0.2987,
0.3528

 76.1570, 0.2707,
0.4451

 96.0638, 0.3068,
0.3384

 74.7340, 0.2697,
0.4656

99.9993, 0.3127,
0.3290

■ 73.7369, 0.2708,
0.4856

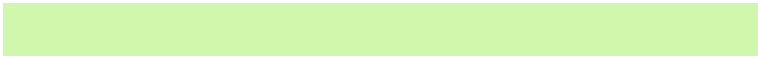
■ 73.1006, 0.2738,
0.5044

■ 72.9624, 0.2748,
0.5093

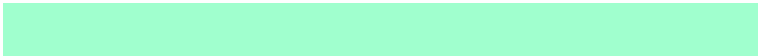
Harmonies

Analogous

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



83.4498, 0.3305, 0.4124



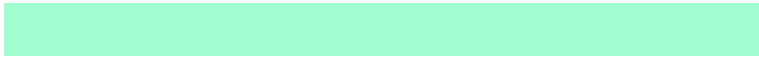
83.4498, 0.2841, 0.3861



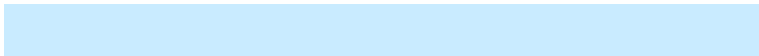
83.4498, 0.2472, 0.3411

Triad

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



83.4498, 0.2841, 0.3861



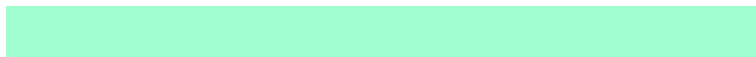
83.4498, 0.2510, 0.2533



83.4498, 0.4055, 0.3504

Complementary

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



83.4498, 0.2841, 0.3861



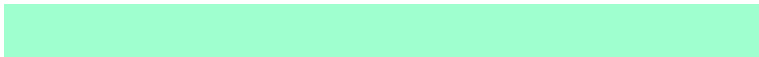
51.0136, 0.3568, 0.2787

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.



83.4498, 0.3811, 0.3128



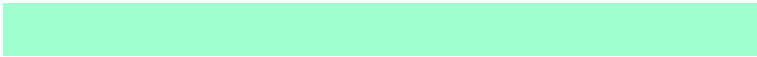
83.4498, 0.2841, 0.3861



83.4498, 0.2895, 0.2591

Square

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



83.4498, 0.2841, 0.3861



83.4498, 0.2295, 0.2655



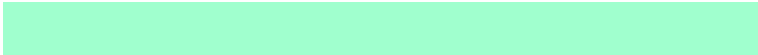
83.4498, 0.3374, 0.2804



83.4498, 0.4023, 0.3861

Rectangle

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



83.4498, 0.2841, 0.3861



83.4498, 0.2322, 0.3101



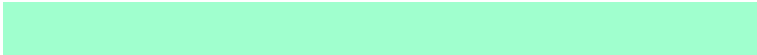
83.4498, 0.3374, 0.2804



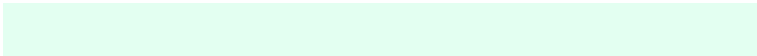
83.4498, 0.4002, 0.3377

Sweetspot

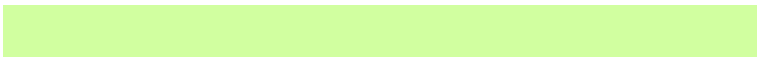
The Sweet Spot groups the original color and five complimentary colors.



83.4532, 0.2841, 0.3861



94.1660, 0.3037, 0.3436



87.6275, 0.3377, 0.4324



20.0137, 0.3026, 0.3455



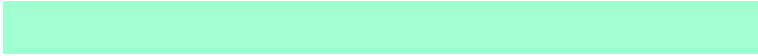
0.0000, 0.0000, 0.0000



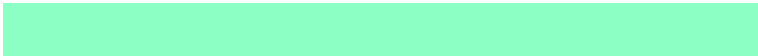
21.4041, 0.3127, 0.3290

Same Dimension

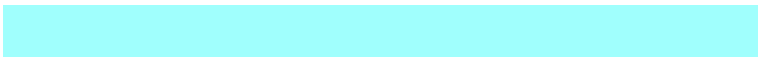
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4532, 0.2841, 0.3861



81.0952, 0.2794, 0.4006



86.1139, 0.2613, 0.3306



20.3148, 0.3049, 0.3415



38.1547, 0.2740, 0.5064



3.7370, 0.2681, 0.4852

Inverse Universe

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



51.0136, 0.3568, 0.2787



44.2322, 0.3701, 0.2683



49.0052, 0.4031, 0.3276



18.1435, 0.3213, 0.3168



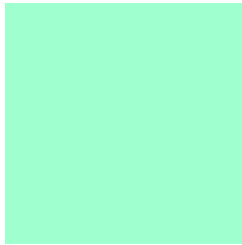
12.0022, 0.4898, 0.2472



1.1907, 0.4653, 0.2337

Previews

White Background



This preview shows how the Yxy color 83.4498, 0.2841, 0.3861 looks on a white background.

Color Contrast Check

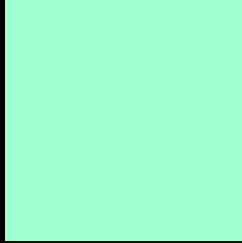
Large Text (above 18pt) WCAG AA × Fail

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 83.4498, 0.2841, 0.3861 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

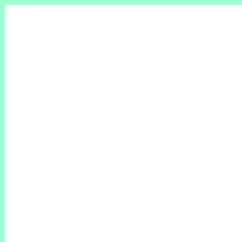
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4498, 0.2841, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 83.4498, 0.2841, 0.3861.

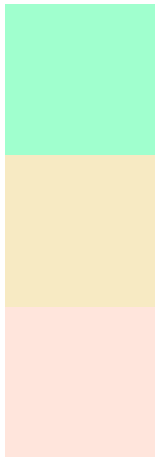


This preview shows how white text looks on a background with the Yxy color 83.4498, 0.2841, 0.3861.

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

83.4498, 0.2841, 0.3861

Protanopia

82.5599, 0.3471, 0.3691

Deuteranopia

82.4659, 0.3369, 0.3381



Tritanopia

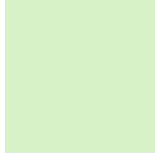
82.8664, 0.2790, 0.3151

Trichromacy



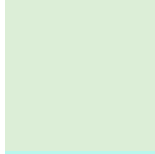
Original Color

83.4498, 0.2841, 0.3861



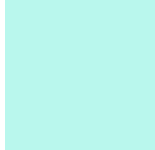
Protanomaly

82.0749, 0.3210, 0.3759



Deuteranomaly

81.2710, 0.3149, 0.3537



Tritanomaly

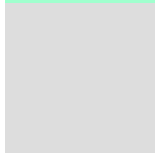
82.9502, 0.2809, 0.3399

Monochromacy



Original Color

83.4498, 0.2841, 0.3861



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3778, 0.3006, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4498, 0.2841, 0.3861 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(160, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 83.4498, 0.2841, 0.3861 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(160, 255, 206) }
```

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

```
.border{ border-color:rgb(160, 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(160, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4498, 0.2841, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 206) }
```

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

```
.background{ background-color: rgb(160,  
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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