

Converting Colors

$Yxy(83.9638, 0.2839, 0.3814)$

Have a look what the booklet for
Yxy(83.9638, 0.2839, 0.3814)
contains.

Yxy(83.9597, 0.2836, 0.3810)	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(83.9597, 0.2836, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFD2
RGB	163, 255, 210
RGB Percent	64%, 100%, 82%
CMY	0.3609, 0.0000, 0.1763
CMYK	0.36, 0.00, 0.18, 0.00
HSL	151°, 100%, 82%
HSV	151°, 36%, 100%
XYZ	62.4960, 83.9597, 73.9110
YIQ	222.3620, -40.3870, -33.4990

Conversions

Conversions Part 2

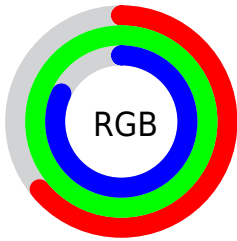
Format	Color
RYB	163, 224, 255
Decimal	10747858
CIELab	93.43, -36.91, 12.91
CIELCh	93, 39.101, 160.725
Yxy	83.9597, 0.2836, 0.3810
Android (android.graphics.Color)	4288937938 (0xFFA3FFD2)
YUV	222.3620, -6.0945, -52.0605
Hunter-Lab	91.6295, -38.6056, 16.3157

Details

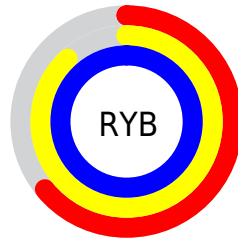
The Yxy color **83.9597, 0.2836, 0.3810** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.9936, 0.3573, 0.2827**, and the grayscale version is **73.3772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **45.8805, 0.2768, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **80.9362, 0.2772, 0.3986**, and if you desaturate by 10%, it is **87.5717, 0.2910, 0.3647**.

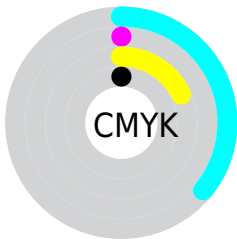
Distribution



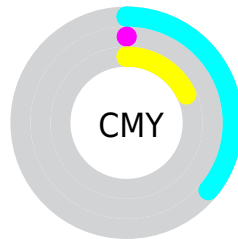
- Red (64%)
- Green (100%)
- Blue (82%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9597, 0.2836, 0.3810 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 83.9597, 0.2836, 0.3810 by changing the saturation by 10% instead.


 83.9597, 0.2836,
0.3810

 83.9597, 0.2836,
0.3810


508.1794, 0.2972,
0.3566

 62.9822, 0.2805,
0.3866


 138.9188, 0.2883,
0.3725

 45.8268, 0.2766,
0.3936


 173.6692, 0.2901,
0.3692

 32.1092, 0.2717,
0.4026


213.7792, 0.2917,
0.3664

 21.4449, 0.2653,
0.4143

259.6334, 0.2931,
0.3639

 13.4496, 0.2566,
0.4305

311.6162, 0.2943,
0.3618

 7.7389, 0.2439,
0.4540

370.1118, 0.2954,

 3.9283, 0.2241,

0.3598

0.4914

435.5048, 0.2963,
0.3582

1.6335, 0.1790,
0.5706

0.3801, 0.0000,
1.0000

83.9597, 0.2836,
0.3810

83.9597, 0.2836,
0.3810

80.9362, 0.2772,
0.3986

87.5717, 0.2910,
0.3647

78.4709, 0.2722,
0.4172

91.8070, 0.2990,
0.3498

76.5252, 0.2689,
0.4365

96.6933, 0.3075,
0.3364

75.0567, 0.2676,
0.4559

100.0000, 0.3127,
0.3290

■ 74.0160, 0.2682,
0.4750

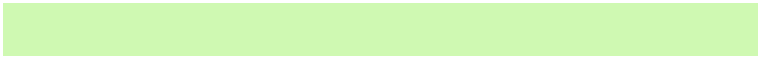
■ 73.3421, 0.2709,
0.4933

■ 73.1433, 0.2723,
0.5001

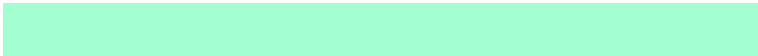
Harmonies

Analogous

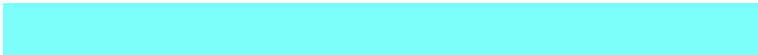
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9597, 0.3275, 0.4071



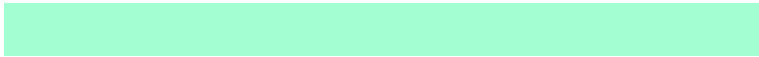
83.9597, 0.2836, 0.3810



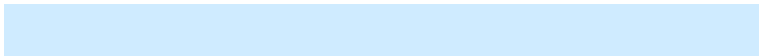
83.9597, 0.2492, 0.3383

Triad

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



83.9597, 0.2836, 0.3810



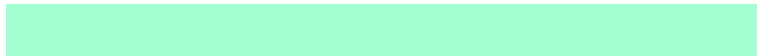
83.9597, 0.2556, 0.2568



83.9597, 0.4010, 0.3515

Complementary

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



83.9597, 0.2836, 0.3810



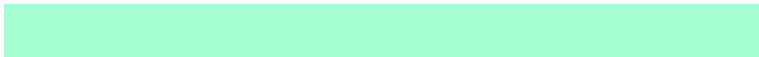
51.9936, 0.3573, 0.2827

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.



83.9597, 0.3792, 0.3155



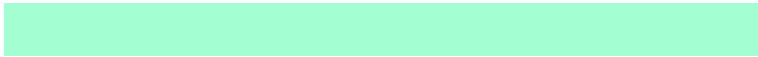
83.9597, 0.2836, 0.3810



83.9597, 0.2930, 0.2632

Square

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



83.9597, 0.2836, 0.3810



83.9597, 0.2341, 0.2677



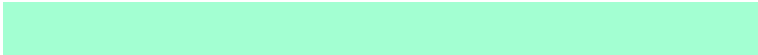
83.9597, 0.3386, 0.2841



83.9597, 0.3968, 0.3850

Rectangle

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



83.9597, 0.2836, 0.3810



83.9597, 0.2354, 0.3092



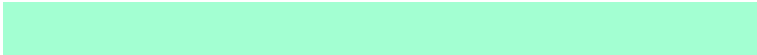
83.9597, 0.3386, 0.2841



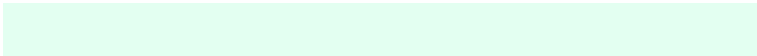
83.9597, 0.3965, 0.3394

Sweetspot

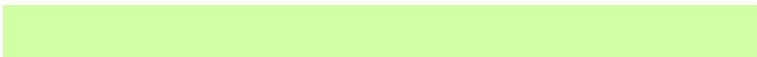
The Sweet Spot groups the original color and five complimentary colors.



83.9585, 0.2836, 0.3810



94.2114, 0.3033, 0.3428



87.7162, 0.3360, 0.4293



20.0245, 0.3021, 0.3447



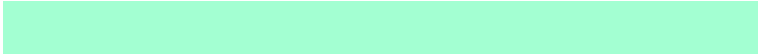
0.0000, 0.0000, 0.0000



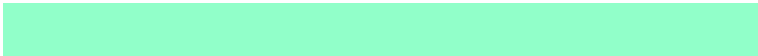
21.4041, 0.3127, 0.3290

Same Dimension

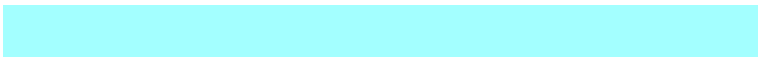
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9585, 0.2836, 0.3810



81.8092, 0.2791, 0.3930



86.5232, 0.2619, 0.3289



20.3233, 0.3046, 0.3409



38.2493, 0.2715, 0.4972



3.7463, 0.2658, 0.4768

Inverse Universe

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



51.9936, 0.3573, 0.2827



45.7375, 0.3695, 0.2739



50.0864, 0.4006, 0.3293



18.1350, 0.3217, 0.3174



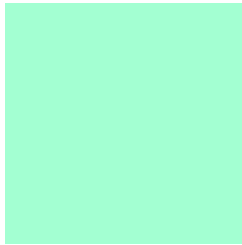
11.9067, 0.5013, 0.2535



1.1813, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 83.9597, 0.2836, 0.3810 looks on a white background.

Color Contrast Check

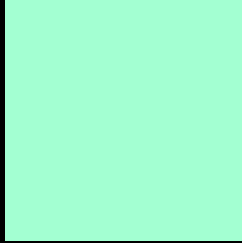
Large Text (above 18pt) WCAG AA × Fail

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 83.9597, 0.2836, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

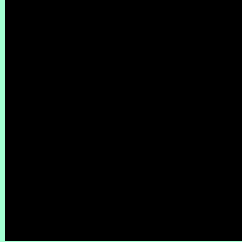
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9597, 0.2836, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 83.9597, 0.2836, 0.3810.

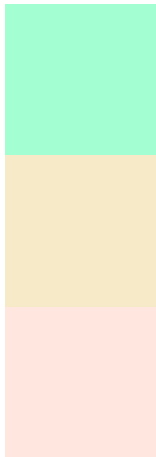


This preview shows how white text looks on a background with the Yxy color 83.9597, 0.2836, 0.3810.

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

83.9597, 0.2836, 0.3810

Protanopia

82.7899, 0.3438, 0.3639

Deuteranopia

83.1813, 0.3347, 0.3360



Tritanopia

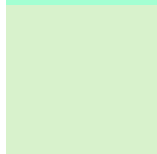
83.2808, 0.2807, 0.3152

Trichromacy



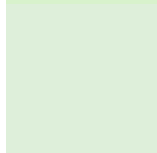
Original Color

83.9597, 0.2836, 0.3810



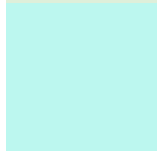
Protanomaly

82.4628, 0.3186, 0.3702



Deuteranomaly

82.3246, 0.3143, 0.3514



Tritanomaly

83.4449, 0.2816, 0.3377

Monochromacy



Original Color

83.9597, 0.2836, 0.3810



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.3251, 0.3007, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9597, 0.2836, 0.3810 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 83.9597, 0.2836, 0.3810 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, 210) }
```

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

```
.border{ border-color:rgb(163, 255, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9597, 0.2836, 0.3810 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, 210) }
```

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

```
.background{ background-color: rgb(163,  
255, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor