

Converting Colors

$Y_{xy}(128.1028, 0.2944, 0.4518)$

Have a look what the booklet for
Yxy(128.1028, 0.2944, 0.4518)
contains.

Yxy(83.4595, 0.2923, 0.3991)	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(83.4595, 0.2923, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFC3
RGB	165, 255, 195
RGB Percent	65%, 100%, 76%
CMY	0.3530, 0.0000, 0.2352
CMYK	0.35, 0.00, 0.24, 0.00
HSL	140°, 100%, 82%
HSV	140°, 35%, 100%
XYZ	61.1256, 83.4595, 64.5342
YIQ	221.2500, -34.3800, -37.7400

Conversions

Conversions Part 2

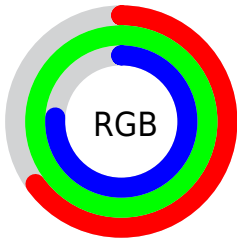
Format	Color
RYB	165, 233, 255
Decimal	10878915
CIELab	93.22, -39.17, 20.30
CIELCh	93, 44.121, 152.602
Yxy	83.4595, 0.2923, 0.3991
Android (android.graphics.Color)	4289068995 (0xFFA5FFC3)
YUV	221.2500, -12.9413, -49.3312
Hunter-Lab	91.3562, -40.4406, 22.0667

Details

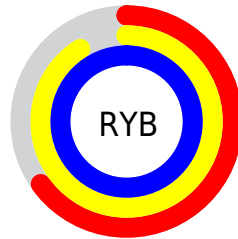
The Yxy color **83.4595, 0.2923, 0.3991** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.5938, 0.3417, 0.2682**, and the grayscale version is **72.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0779, 0.2945, 0.3320**, and **45.5625, 0.2867, 0.4172** is the 20% darker color. If you saturate the color by 10%, you get **80.2659, 0.2877, 0.4234**, and if you desaturate by 10%, it is **87.2825, 0.2977, 0.3766**.

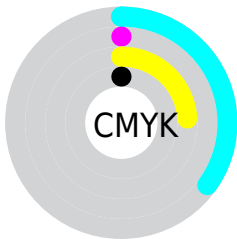
Distribution



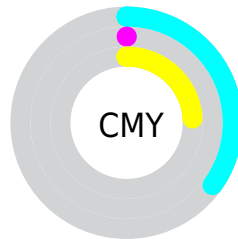
- Red (65%)
- Green (100%)
- Blue (76%)



- Red (65%)
- Yellow (91%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4595, 0.2923, 0.3991 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 83.4595, 0.2923, 0.3991 by changing the saturation by 10% instead.

 83.4595, 0.2923,
0.3991

 83.4595, 0.2923,
0.3991


506.5166, 0.3023,
0.3659

 62.5693, 0.2899,
0.4069


 138.2188, 0.2959,
0.3874

 45.4929, 0.2868,
0.4165


 172.8568, 0.2972,
0.3829

 31.8458, 0.2829,
0.4289


212.8460, 0.2984,
0.3791

 21.2438, 0.2775,
0.4454

258.5711, 0.2994,
0.3757

 13.3023, 0.2699,
0.4681

310.4163, 0.3003,
0.3728

 7.6370, 0.2583,
0.5014


368.7660, 0.3010,


 3.8636, 0.2389,


0.3702


0.5543


434.0046, 0.3017,
0.3679


 1.5975, 0.1969,
0.7244


 0.3559, 0.0000,
1.0000

 83.4595, 0.2923,
0.3991


 83.4595, 0.2923,
0.3991


 80.2659, 0.2877,
0.4234


 87.2825, 0.2977,
0.3766

 77.6709, 0.2841,
0.4491

 91.7722, 0.3035,
0.3561

 75.6337, 0.2819,
0.4752

 96.9574, 0.3095,
0.3378

 74.1104, 0.2814,
0.5008

100.0000, 0.3127,
0.3290

■ 73.0501, 0.2827,
0.5247

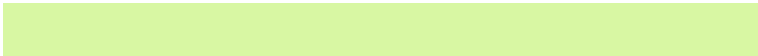
■ 72.3903, 0.2857,
0.5458

■ 72.1781, 0.2874,
0.5545

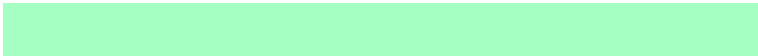
Harmonies

Analogous

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



83.4595, 0.3424, 0.4208



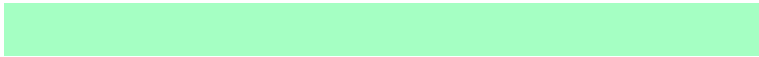
83.4595, 0.2923, 0.3991



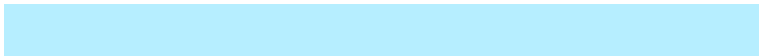
83.4595, 0.2499, 0.3531

Triad

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



83.4595, 0.2923, 0.3991



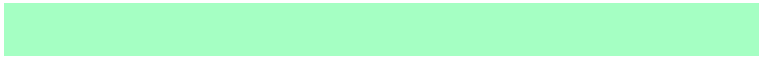
83.4595, 0.2401, 0.2494



83.4595, 0.4088, 0.3424

Complementary

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



83.4595, 0.2923, 0.3991



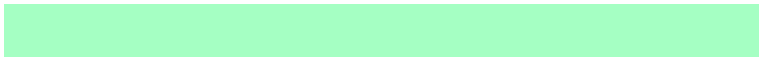
53.5938, 0.3417, 0.2682

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.



83.4595, 0.3770, 0.3032



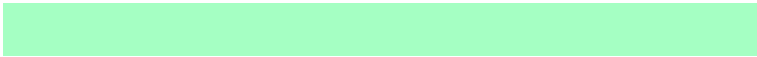
83.4595, 0.2923, 0.3991



83.4595, 0.2775, 0.2518

Square

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



83.4595, 0.2923, 0.3991



83.4595, 0.2219, 0.2665



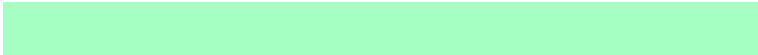
83.4595, 0.3275, 0.2711



83.4595, 0.4118, 0.3817

Rectangle

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



83.4595, 0.2923, 0.3991



83.4595, 0.2311, 0.3190



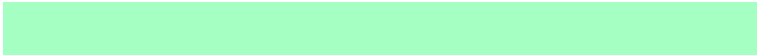
83.4595, 0.3275, 0.2711



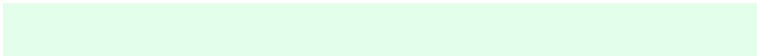
83.4595, 0.4011, 0.3290

Sweetspot

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



83.4580, 0.2923, 0.3991



93.9172, 0.3061, 0.3480



90.2418, 0.3456, 0.4237



19.9545, 0.3053, 0.3505



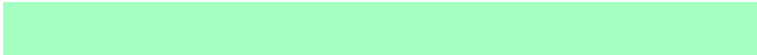
0.0000, 0.0000, 0.0000



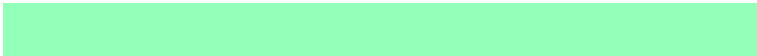
21.4041, 0.3127, 0.3290

Same Dimension

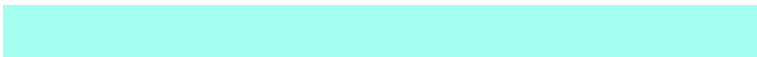
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4580, 0.2923, 0.3991



81.2529, 0.2891, 0.4152



85.8075, 0.2699, 0.3456



20.2682, 0.3070, 0.3452



37.7392, 0.2865, 0.5515



3.6939, 0.2802, 0.5289

Inverse Universe

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



53.5938, 0.3417, 0.2682



47.5357, 0.3491, 0.2568



51.4551, 0.3833, 0.3134



18.1912, 0.3189, 0.3133



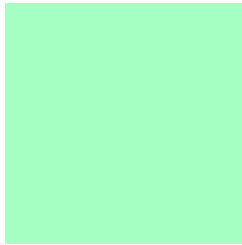
12.6515, 0.4279, 0.2131



1.2521, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 83.4595, 0.2923, 0.3991 looks on a white background.

Color Contrast Check

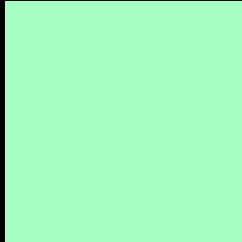
Large Text (above 18pt) WCAG AA × Fail

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 83.4595, 0.2923, 0.3991 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 83.4595, 0.2923, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 83.4595, 0.2923, 0.3991.

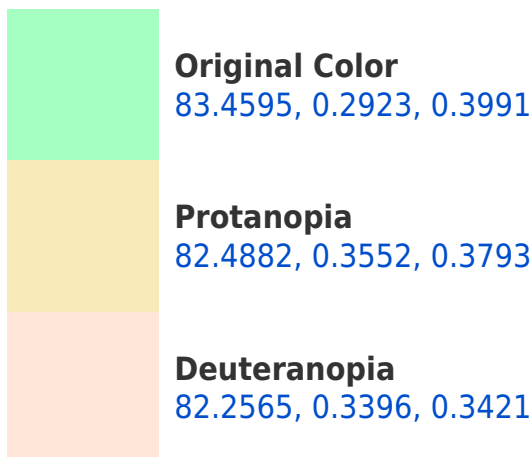


This preview shows how white text looks on a background with the Yxy color 83.4595, 0.2923, 0.3991.

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

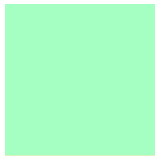




Tritanopia

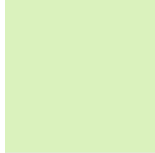
83.1418, 0.2801, 0.3152

Trichromacy



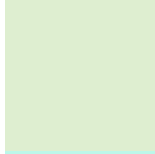
Original Color

83.4595, 0.2923, 0.3991



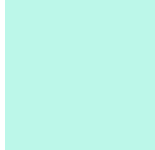
Protanomaly

82.0838, 0.3291, 0.3867



Deuteranomaly

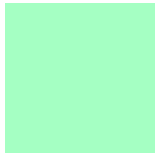
81.2327, 0.3206, 0.3612



Tritanomaly

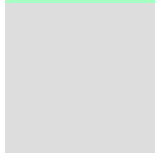
83.0961, 0.2847, 0.3444

Monochromacy



Original Color

83.4595, 0.2923, 0.3991



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4488, 0.3043, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4595, 0.2923, 0.3991 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(165, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 195)  
}
```

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(165, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 83.4595, 0.2923, 0.3991 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(165, 255, 195) }
```

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

```
.border{ border-color:rgb(165, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4595, 0.2923, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 195) }
```

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

```
.background{ background-color: rgb(165,  
255, 195) }
```

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