

Converting Colors

Yxy(128.5456, 0.2899, 0.4401)

Have a look what the booklet for
Yxy(128.5456, 0.2899, 0.4401)
contains.

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Color

Yxy(83.9756, 0.2867, 0.3857)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFCE
RGB	165, 255, 206
RGB Percent	65%, 100%, 81%
CMY	0.3529, 0.0000, 0.1921
CMYK	0.35, 0.00, 0.19, 0.00
HSL	147°, 100%, 82%
HSV	147°, 35%, 100%
XYZ	62.4211, 83.9756, 71.3259
YIQ	222.5040, -37.9110, -34.3190

Conversions

Conversions Part 2

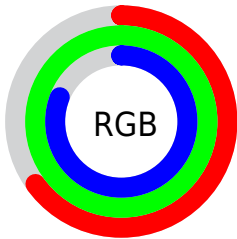
Format	Color
RYB	165, 227, 255
Decimal	10878926
CIELab	93.44, -37.11, 14.99
CIElCh	93, 40.026, 158.003
Yxy	83.9756, 0.2867, 0.3857
Android (android.graphics.Color)	4289069006 (0xFFA5FFCE)
YUV	222.5040, -8.1365, -50.4310
Hunter-Lab	91.6382, -38.7783, 17.9988

Details

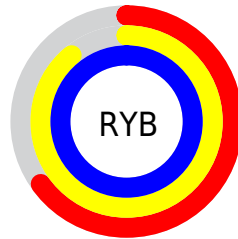
The Yxy color **83.9756, 0.2867, 0.3857** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.0282, 0.3514, 0.2788**, and the grayscale version is **73.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **45.9064, 0.2799, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **80.8653, 0.2808, 0.4053**, and if you desaturate by 10%, it is **87.6951, 0.2935, 0.3675**.

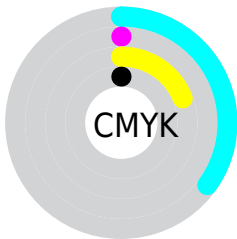
Distribution



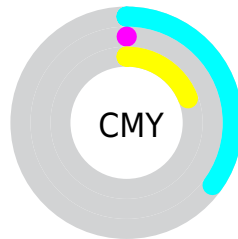
- Red (65%)
- Green (100%)
- Blue (81%)



- Red (65%)
- Yellow (89%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9756, 0.2867, 0.3857 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 83.9756, 0.2867, 0.3857 by changing the saturation by 10% instead.

 83.9756, 0.2867,
0.3857


 83.9756, 0.2867,
0.3857


508.2322, 0.2989,
0.3590

 62.9953, 0.2839,
0.3919


 138.9410, 0.2910,
0.3764

 45.8374, 0.2803,
0.3996


 173.6950, 0.2926,
0.3728

 32.1175, 0.2758,
0.4094


213.8089, 0.2941,
0.3697

 21.4513, 0.2698,
0.4223

259.6672, 0.2953,
0.3670

 13.4543, 0.2616,
0.4402

311.6543, 0.2964,
0.3646

 7.7421, 0.2496,
0.4662

370.1546, 0.2973,

 3.9304, 0.2305,

0.3626

0.5077

435.5524, 0.2982,
0.3607

■ 1.6347, 0.1872,
0.6021

■ 0.3808, 0.0000,
1.0000

■ 83.9756, 0.2867,
0.3857

■ 83.9756, 0.2867,
0.3857

■ 80.8653, 0.2808,
0.4053

■ 87.6951, 0.2935,
0.3675

■ 78.3233, 0.2762,
0.4262

■ 92.0484, 0.3009,
0.3510

■ 76.3142, 0.2732,
0.4477

■ 97.0668, 0.3086,
0.3362

■ 74.7957, 0.2720,
0.4693

100.0000, 0.3127,
0.3290

■ 73.7185, 0.2729,
0.4903

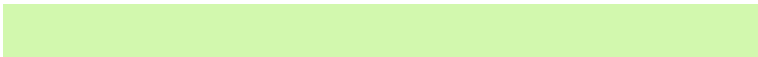
■ 73.0222, 0.2757,
0.5100

■ 72.7861, 0.2774,
0.5188

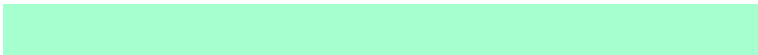
Harmonies

Analogous

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



83.9756, 0.3319, 0.4101



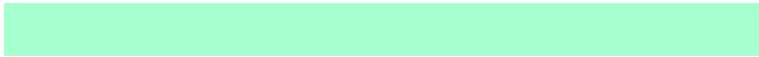
83.9756, 0.2867, 0.3857



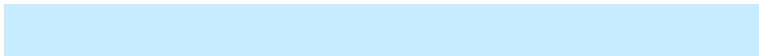
83.9756, 0.2503, 0.3426

Triad

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



83.9756, 0.2867, 0.3857



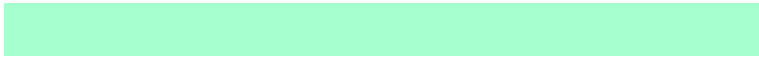
83.9756, 0.2516, 0.2555



83.9756, 0.4022, 0.3485

Complementary

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



83.9756, 0.2867, 0.3857



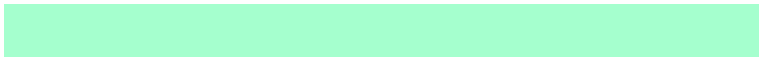
53.0282, 0.3514, 0.2788

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.



83.9756, 0.3777, 0.3119



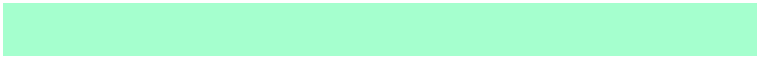
83.9756, 0.2867, 0.3857



83.9756, 0.2885, 0.2605

Square

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



83.9756, 0.2867, 0.3857



83.9756, 0.2314, 0.2682



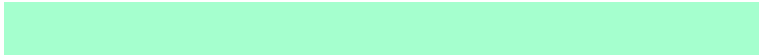
83.9756, 0.3349, 0.2807



83.9756, 0.4002, 0.3834

Rectangle

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



83.9756, 0.2867, 0.3857



83.9756, 0.2351, 0.3125



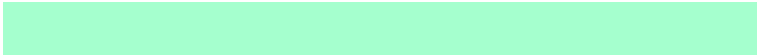
83.9756, 0.3349, 0.2807



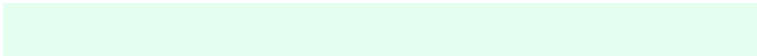
83.9756, 0.3968, 0.3361

Sweetspot

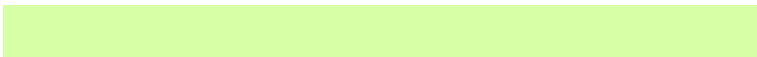
The Sweet Spot groups the original color and five complimentary colors.



83.9779, 0.2867, 0.3857



94.1183, 0.3042, 0.3444



88.6092, 0.3386, 0.4259



20.0023, 0.3031, 0.3465



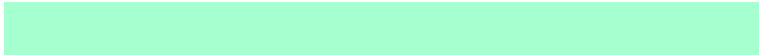
0.0000, 0.0000, 0.0000



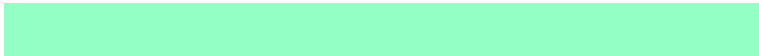
21.4041, 0.3127, 0.3290

Same Dimension

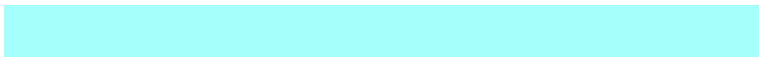
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9779, 0.2867, 0.3857



81.8246, 0.2826, 0.3987



86.4540, 0.2649, 0.3338



20.3059, 0.3053, 0.3422



38.0616, 0.2766, 0.5158



3.7276, 0.2705, 0.4939

Inverse Universe

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



53.0282, 0.3514, 0.2788



46.8738, 0.3618, 0.2692



51.0577, 0.3934, 0.3245



18.1525, 0.3208, 0.3161



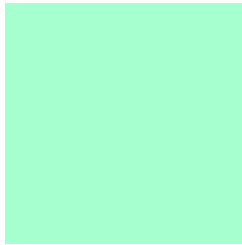
12.1100, 0.4777, 0.2405



1.2012, 0.4548, 0.2279

Previews

White Background



This preview shows how the Yxy color 83.9756, 0.2867, 0.3857 looks on a white background.

Color Contrast Check

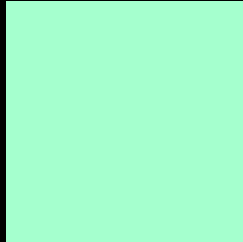
Large Text (above 18pt) WCAG AA × Fail

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 83.9756, 0.2867, 0.3857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

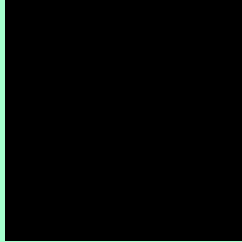
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9756, 0.2867, 0.3857

Background



This preview shows how black text looks on a background with the Yxy color 83.9756, 0.2867, 0.3857.

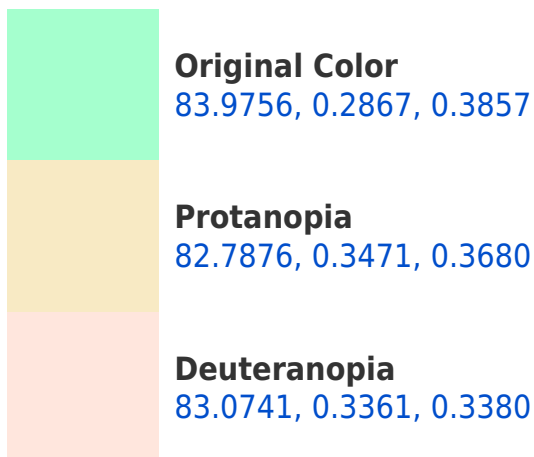


This preview shows how white text looks on a background with the Yxy color 83.9756, 0.2867, 0.3857.

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

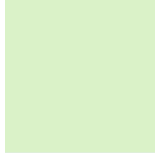
83.2808, 0.2807, 0.3152

Trichromacy



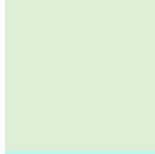
Original Color

83.9756, 0.2867, 0.3857



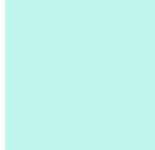
Protanomaly

82.5798, 0.3224, 0.3745



Deuteranomaly

82.2205, 0.3155, 0.3535



Tritanomaly

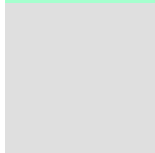
83.4548, 0.2832, 0.3399

Monochromacy



Original Color

83.9756, 0.2867, 0.3857



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9830, 0.3019, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9756, 0.2867, 0.3857 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(165, 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(165, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 83.9756, 0.2867, 0.3857 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, 206) }
```

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

```
.border{ border-color:rgb(165, 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(165, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9756, 0.2867, 0.3857 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, 206) }
```

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

```
.background{ background-color: rgb(165,  
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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