

Converting Colors

$Y_{xy}(91.8282, 0.2815, 0.3917)$

Have a look what the booklet for
Yxy(91.8282, 0.2815, 0.3917)
contains.

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Color

Yxy(83.6444, 0.2806, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	9FFFD4
RGB	159, 255, 212
RGB Percent	62%, 100%, 83%
CMY	0.3764, 0.0000, 0.1686
CMYK	0.38, 0.00, 0.17, 0.00
HSL	153°, 100%, 81%
HSV	153°, 38%, 100%
XYZ	61.9441, 83.6444, 75.1674
YIQ	221.3940, -43.4130, -33.7250

Conversions

Conversions Part 2

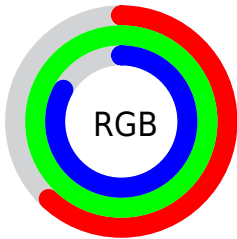
Format	Color
RYB	159, 221, 255
Decimal	10485716
CIELab	93.30, -37.60, 11.68
CIELCh	93, 39.374, 162.744
Yxy	83.6444, 0.2806, 0.3789
Android (android.graphics.Color)	4288675796 (0xFF9FFFD4)
YUV	221.3940, -4.6312, -54.7195
Hunter-Lab	91.4573, -39.1521, 15.2906

Details

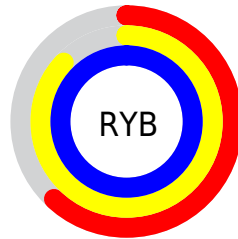
The Yxy color **83.6444, 0.2806, 0.3789** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.3278, 0.3636, 0.2846**, and the grayscale version is **72.6573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **45.7061, 0.2733, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **80.7461, 0.2740, 0.3951**, and if you desaturate by 10%, it is **87.1252, 0.2883, 0.3639**.

Distribution



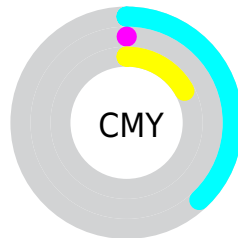
- Red (62%)
- Green (100%)
- Blue (83%)



- Red (62%)
- Yellow (87%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6444, 0.2806, 0.3789 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 83.6444, 0.2806, 0.3789 by changing the saturation by 10% instead.

 83.6444, 0.2806,
0.3789


 83.6444, 0.2806,
0.3789


507.1316, 0.2955,
0.3555

 62.7219, 0.2772,
0.3843


 138.4776, 0.2858,
0.3707

 45.6163, 0.2730,
0.3910


 173.1571, 0.2878,
0.3676

 31.9431, 0.2677,
0.3995


213.1911, 0.2895,
0.3649

 21.3180, 0.2608,
0.4108

258.9639, 0.2910,
0.3625

 13.3567, 0.2513,
0.4262

310.8600, 0.2923,
0.3605

 7.6746, 0.2378,
0.4487

369.2637, 0.2935,

 3.8875, 0.2168,

0.3586

0.4843

434.5595, 0.2945,
0.3570

■ 1.6108, 0.1672,
0.5597

■ 0.3649, 0.0000,
1.0000

■ 83.6444, 0.2806,
0.3789

■ 83.6444, 0.2806,
0.3789

■ 80.7461, 0.2740,
0.3951

■ 87.1252, 0.2883,
0.3639

■ 78.3902, 0.2689,
0.4121

■ 91.2138, 0.2968,
0.3501

■ 76.5407, 0.2656,
0.4298

■ 95.9412, 0.3057,
0.3376

■ 75.1549, 0.2642,
0.4476

100.0000, 0.3127,
0.3290

■ 74.1821, 0.2649,
0.4651

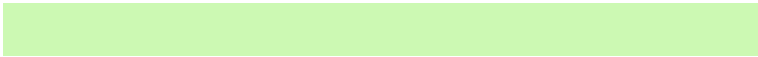
■ 73.5560, 0.2676,
0.4820

■ 73.4361, 0.2683,
0.4859

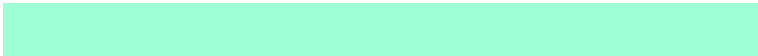
Harmonies

Analogous

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



83.6444, 0.3245, 0.4068



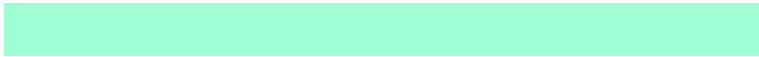
83.6444, 0.2806, 0.3789



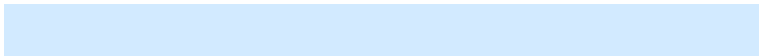
83.6444, 0.2469, 0.3352

Triad

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



83.6444, 0.2806, 0.3789



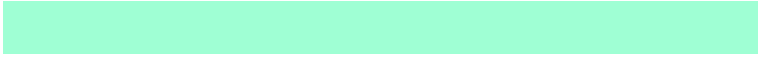
83.6444, 0.2572, 0.2562



83.6444, 0.4023, 0.3540

Complementary

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



83.6444, 0.2806, 0.3789



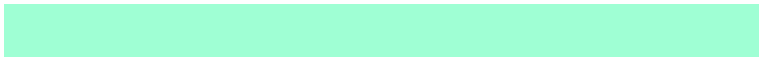
50.3278, 0.3636, 0.2846

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.



83.6444, 0.3820, 0.3177



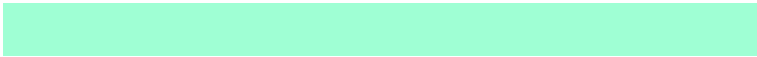
83.6444, 0.2806, 0.3789



83.6444, 0.2957, 0.2637

Square

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



83.6444, 0.2806, 0.3789



83.6444, 0.2344, 0.2659



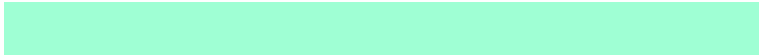
83.6444, 0.3418, 0.2856



83.6444, 0.3963, 0.3874

Rectangle

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



83.6444, 0.2806, 0.3789



83.6444, 0.2339, 0.3063



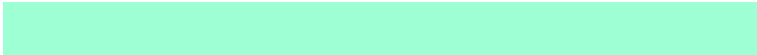
83.6444, 0.3418, 0.2856



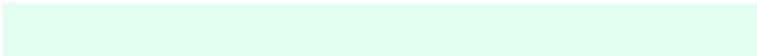
83.6444, 0.3984, 0.3419

Sweetspot

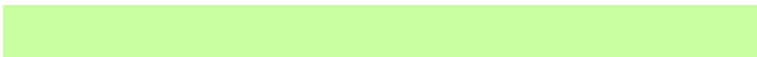
The Sweet Spot groups the original color and five complimentary colors.



83.6464, 0.2806, 0.3789



94.2797, 0.3027, 0.3417



86.6098, 0.3337, 0.4351



20.0407, 0.3014, 0.3433



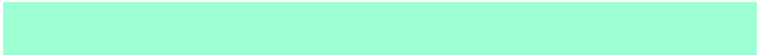
0.0000, 0.0000, 0.0000



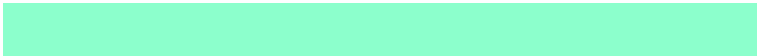
21.4041, 0.3127, 0.3290

Same Dimension

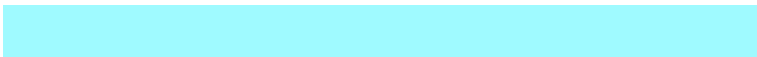
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6464, 0.2806, 0.3789



81.4574, 0.2756, 0.3907



83.0890, 0.2593, 0.3235



20.3360, 0.3040, 0.3399



38.4025, 0.2676, 0.4832



3.7611, 0.2622, 0.4640

Inverse Universe

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



50.3278, 0.3636, 0.2846



43.8799, 0.3782, 0.2760



50.2496, 0.4041, 0.3343



18.1223, 0.3224, 0.3184



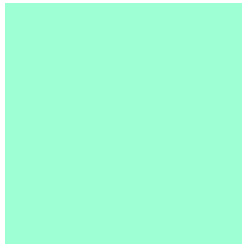
11.7755, 0.5185, 0.2630



1.1682, 0.4903, 0.2475

Previews

White Background



This preview shows how the Yxy color 83.6444, 0.2806, 0.3789 looks on a white background.

Color Contrast Check

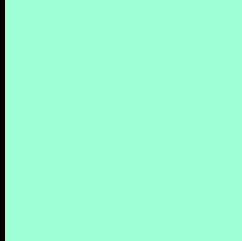
Large Text (above 18pt) WCAG AA × Fail

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 83.6444, 0.2806, 0.3789 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 83.6444, 0.2806, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 83.6444, 0.2806, 0.3789.

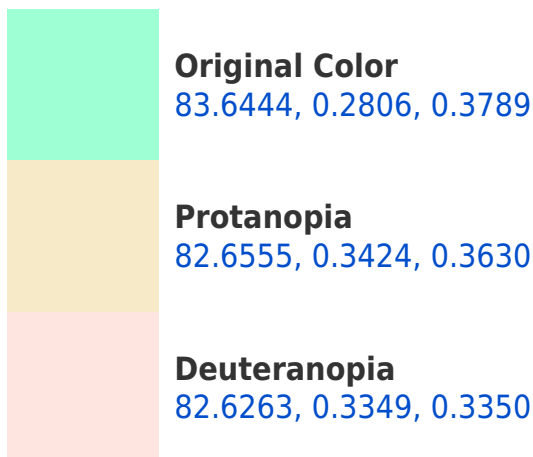


This preview shows how white text looks on a background with the Yxy color 83.6444, 0.2806, 0.3789.

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

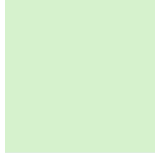
82.8664, 0.2790, 0.3151

Trichromacy



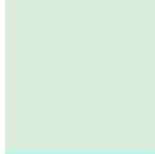
Original Color

83.6444, 0.2806, 0.3789



Protanomaly

82.2082, 0.3167, 0.3693



Deuteranomaly

81.4792, 0.3124, 0.3493



Tritanomaly

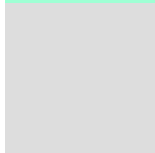
82.9439, 0.2793, 0.3377

Monochromacy



Original Color

83.6444, 0.2806, 0.3789



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3455, 0.2987, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6444, 0.2806, 0.3789 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(159, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 212)  
}
```

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(159, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 83.6444, 0.2806, 0.3789 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(159, 255, 212) }
```

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

```
.border{ border-color:rgb(159, 255, 212) }
```

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

Here you see how a box with a 4 pixel rgb(159, 255, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6444, 0.2806, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 212) }
```

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

```
.background{ background-color: rgb(159,  
255, 212) }
```

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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