

Converting Colors

$Y_{xy}(100.0000, 0.2918, 0.4237)$

Have a look what the booklet for
Yxy(100.0000, 0.2918, 0.4237)
contains.

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Color

Yxy(83.1415, 0.2907, 0.3994)

Conversions

Conversions Part 1

Format	Color
Hex	A2FFC3
RGB	162, 255, 195
RGB Percent	64%, 100%, 76%
CMY	0.3647, 0.0000, 0.2351
CMYK	0.36, 0.00, 0.24, 0.00
HSL	141°, 100%, 82%
HSV	141°, 36%, 100%
XYZ	60.5139, 83.1415, 64.5106
YIQ	220.3530, -36.1680, -38.3760

Conversions

Conversions Part 2

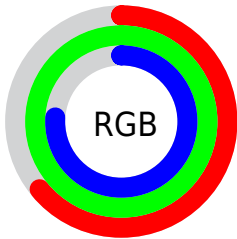
Format	Color
RYB	162, 231, 255
Decimal	10682307
CIELab	93.08, -40.02, 20.08
CIELCh	93, 44.775, 153.349
Yxy	83.1415, 0.2907, 0.3994
Android (android.graphics.Color)	4288872387 (0xFFA2FFC3)
YUV	220.3530, -12.4990, -51.1756
Hunter-Lab	91.1820, -41.1051, 21.8801

Details

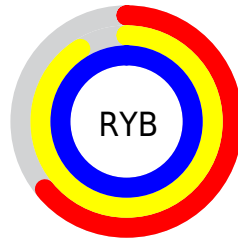
The Yxy color **83.1415, 0.2907, 0.3994** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.3728, 0.3447, 0.2681**, and the grayscale version is **71.9403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6083, 0.2927, 0.3320**, and **45.3754, 0.2848, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **80.0348, 0.2860, 0.4231**, and if you desaturate by 10%, it is **86.8754, 0.2963, 0.3774**.

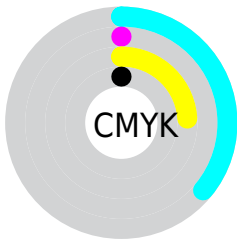
Distribution



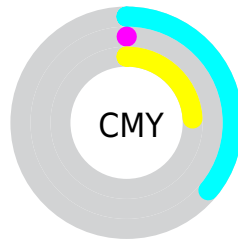
- Red (64%)
- Green (100%)
- Blue (76%)



- Red (64%)
- Yellow (91%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1415, 0.2907, 0.3994 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 83.1415, 0.2907, 0.3994 by changing the saturation by 10% instead.


 83.1415, 0.2907,
0.3994


 83.1415, 0.2907,
0.3994


505.4580, 0.3014,
0.3660

 62.3069, 0.2881,
0.4072


 137.7736, 0.2945,
0.3877

 45.2807, 0.2849,
0.4170


 172.3399, 0.2960,
0.3831

 31.6786, 0.2806,
0.4295


212.2523, 0.2972,
0.3793

 21.1161, 0.2749,
0.4460

257.8950, 0.2983,
0.3759

 13.2089, 0.2669,
0.4689

309.6525, 0.2992,
0.3730

 7.5726, 0.2547,
0.5026


367.9093, 0.3001,


 3.8227, 0.2343,


0.3704


0.5563


433.0496, 0.3008,
0.3681

 1.5749, 0.1859,
0.7339


 0.3406, 0.0000,
1.0000


 83.1415, 0.2907,
0.3994


 83.1415, 0.2907,
0.3994


 80.0348, 0.2860,
0.4231


 86.8754, 0.2963,
0.3774

 77.5138, 0.2824,
0.4480

 91.2633, 0.3023,
0.3574

 75.5414, 0.2803,
0.4734

 96.3376, 0.3086,
0.3395

 74.0730, 0.2799,
0.4983

100.0000, 0.3127,
0.3290

■ 73.0572, 0.2814,
0.5216

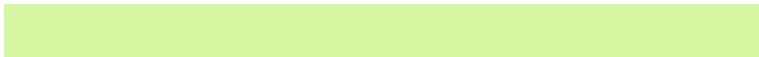
■ 72.4299, 0.2845,
0.5423

■ 72.2683, 0.2858,
0.5489

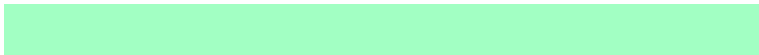
Harmonies

Analogous

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



83.1415, 0.3415, 0.4222



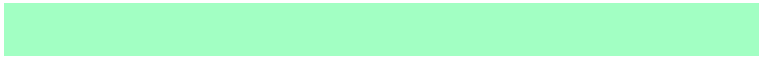
83.1415, 0.2907, 0.3994



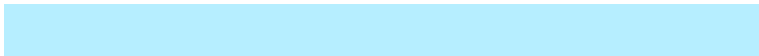
83.1415, 0.2481, 0.3522

Triad

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



83.1415, 0.2907, 0.3994



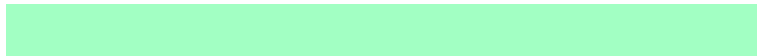
83.1415, 0.2398, 0.2481



83.1415, 0.4108, 0.3436

Complementary

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



83.1415, 0.2907, 0.3994



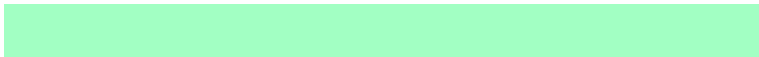
52.3728, 0.3447, 0.2681

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.



83.1415, 0.3791, 0.3038



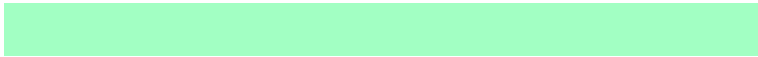
83.1415, 0.2907, 0.3994



83.1415, 0.2780, 0.2510

Square

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



83.1415, 0.2907, 0.3994



83.1415, 0.2208, 0.2648



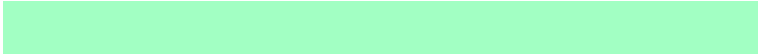
83.1415, 0.3290, 0.2710



83.1415, 0.4131, 0.3833

Rectangle

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



83.1415, 0.2907, 0.3994



83.1415, 0.2294, 0.3175



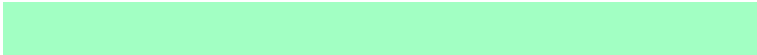
83.1415, 0.3290, 0.2710



83.1415, 0.4032, 0.3299

Sweetspot

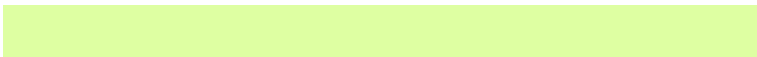
The Sweet Spot groups the original color and five complimentary colors.



83.1434, 0.2907, 0.3994



93.9522, 0.3057, 0.3474



89.7295, 0.3455, 0.4274



19.9628, 0.3049, 0.3498



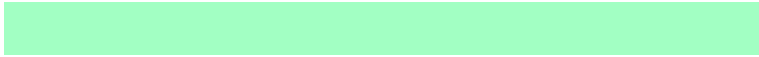
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

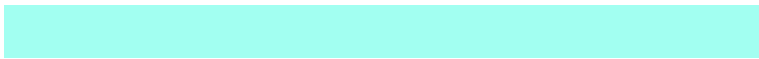
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1434, 0.2907, 0.3994



80.7466, 0.2870, 0.4171



85.5553, 0.2679, 0.3445



20.2748, 0.3067, 0.3447



37.7874, 0.2850, 0.5458



3.6991, 0.2786, 0.5231

Inverse Universe

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



52.3728, 0.3447, 0.2681



45.7584, 0.3538, 0.2557



50.2336, 0.3882, 0.3145



18.1844, 0.3193, 0.3138



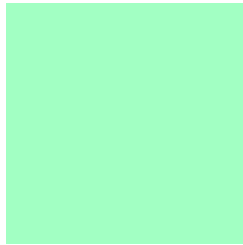
12.5465, 0.4363, 0.2177



1.2424, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 83.1415, 0.2907, 0.3994 looks on a white background.

Color Contrast Check

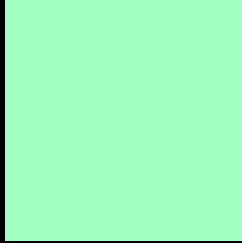
Large Text (above 18pt) WCAG AA × Fail

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 83.1415, 0.2907, 0.3994 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

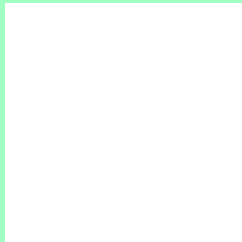
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1415, 0.2907, 0.3994

Background



This preview shows how black text looks on a background with the Yxy color 83.1415, 0.2907, 0.3994.

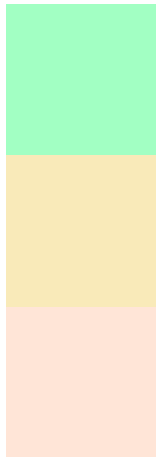


This preview shows how white text looks on a background with the Yxy color 83.1415, 0.2907, 0.3994.

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

83.1415, 0.2907, 0.3994

Protanopia

82.4882, 0.3552, 0.3793

Deuteranopia

82.2049, 0.3403, 0.3431



Tritanopia

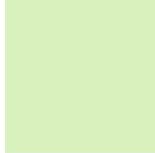
82.8664, 0.2790, 0.3151

Trichromacy



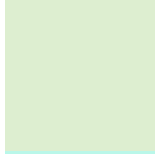
Original Color

83.1415, 0.2907, 0.3994



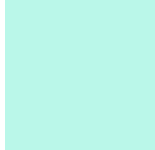
Protanomaly

81.9301, 0.3284, 0.3869



Deuteranomaly

81.0753, 0.3199, 0.3613



Tritanomaly

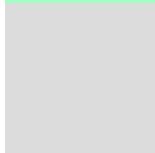
82.8438, 0.2836, 0.3444

Monochromacy



Original Color

83.1415, 0.2907, 0.3994



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1231, 0.3036, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1415, 0.2907, 0.3994 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(162, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 83.1415, 0.2907, 0.3994 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(162, 255, 195) }
```

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

```
.border{ border-color:rgb(162, 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(162, 255, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1415, 0.2907, 0.3994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 195) }
```

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

```
.background{ background-color: rgb(162,  
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](#).

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