

Converting Colors

$Yxy(84.4794, 0.2827, 0.3754)$

Have a look what the booklet for
Yxy(84.4794, 0.2827, 0.3754)
contains.

Yxy(84.5333, 0.2827, 0.3748)	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(84.5333, 0.2827, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFD7
RGB	166, 255, 215
RGB Percent	65%, 100%, 84%
CMY	0.3488, 0.0000, 0.1568
CMYK	0.35, 0.00, 0.16, 0.00
HSL	153°, 100%, 83%
HSV	153°, 35%, 100%
XYZ	63.7608, 84.5333, 77.2483
YIQ	223.8290, -40.2040, -31.3080

Conversions

Conversions Part 2

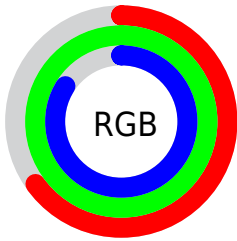
Format	Color
RYB	166, 223, 255
Decimal	10944471
CIELab	93.68, -35.07, 10.73
CIELCh	94, 36.672, 162.988
Yxy	84.5333, 0.2827, 0.3748
Android (android.graphics.Color)	4289134551 (0xFFA6FFD7)
YUV	223.8290, -4.3527, -50.7160
Hunter-Lab	91.9420, -37.1105, 14.5448

Details

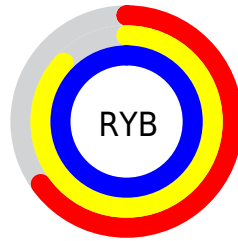
The Yxy color **84.5333, 0.2827, 0.3748** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.0117, 0.3584, 0.2878**, and the grayscale version is **74.4769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **46.2412, 0.2755, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **81.4786, 0.2758, 0.3907**, and if you desaturate by 10%, it is **88.1826, 0.2906, 0.3600**.

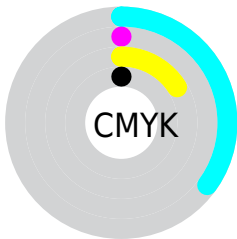
Distribution



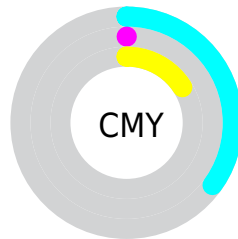
- Red (65%)
- Green (100%)
- Blue (84%)



- Red (65%)
- Yellow (87%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5333, 0.2827, 0.3748 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 84.5333, 0.2827, 0.3748 by changing the saturation by 10% instead.


 84.5333, 0.2827,
0.3748


 84.5333, 0.2827,
0.3748


510.0825, 0.2965,
0.3535

 63.4558, 0.2796,
0.3797


 139.7209, 0.2875,
0.3674

 46.2101, 0.2757,
0.3858


 174.5999, 0.2894,
0.3645

 32.4116, 0.2708,
0.3935


214.8482, 0.2910,
0.3620

 21.6761, 0.2644,
0.4037

260.8501, 0.2924,
0.3599

 13.6191, 0.2557,
0.4176

312.9901, 0.2936,
0.3580

 7.8562, 0.2433,
0.4377

371.6526, 0.2947,

 4.0031, 0.2242,

0.3563

0.4694

437.2219, 0.2957,
0.3548

1.6753, 0.1848,
0.5305

0.4076, 0.0000,
1.0000

84.5333, 0.2827,
0.3748

84.5333, 0.2827,
0.3748

81.4786, 0.2758,
0.3907

88.1826, 0.2906,
0.3600

78.9748, 0.2703,
0.4077

92.4468, 0.2992,
0.3466

76.9886, 0.2664,
0.4252

97.3576, 0.3082,
0.3344

75.4787, 0.2645,
0.4431

99.9968, 0.3127,
0.3290

■ 74.3971, 0.2646,
0.4609

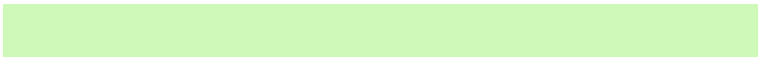
■ 73.6847, 0.2668,
0.4780

■ 73.4202, 0.2685,
0.4865

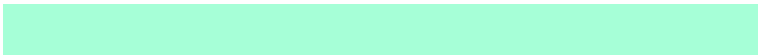
Harmonies

Analogous

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



84.5333, 0.3236, 0.4007



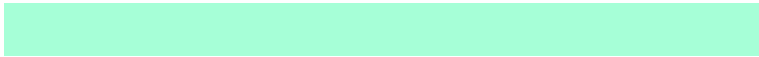
84.5333, 0.2827, 0.3748



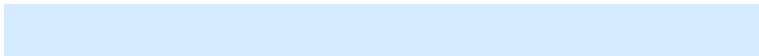
84.5333, 0.2513, 0.3346

Triad

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



84.5333, 0.2827, 0.3748



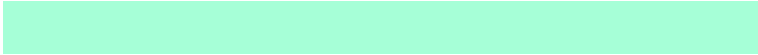
84.5333, 0.2613, 0.2610



84.5333, 0.3959, 0.3530

Complementary

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



84.5333, 0.2827, 0.3748



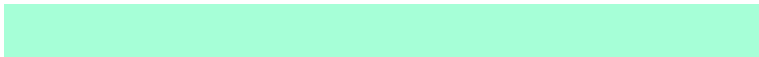
53.0117, 0.3584, 0.2878

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.



84.5333, 0.3772, 0.3190



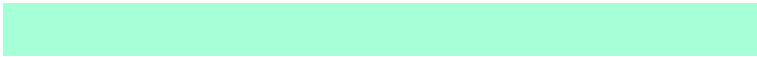
84.5333, 0.2827, 0.3748



84.5333, 0.2974, 0.2681

Square

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



84.5333, 0.2827, 0.3748



84.5333, 0.2397, 0.2702



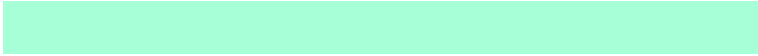
84.5333, 0.3402, 0.2888



84.5333, 0.3903, 0.3839

Rectangle

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



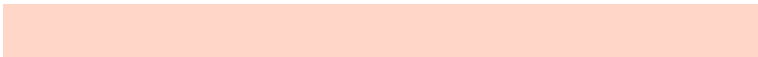
84.5333, 0.2827, 0.3748



84.5333, 0.2391, 0.3079



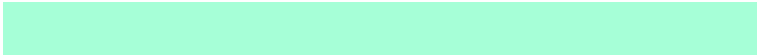
84.5333, 0.3402, 0.2888



84.5333, 0.3923, 0.3416

Sweetspot

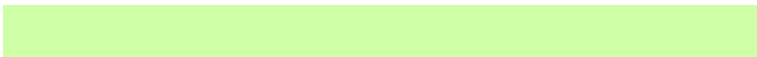
The Sweet Spot groups the original color and five complimentary colors.



84.5368, 0.2827, 0.3748



94.7638, 0.3036, 0.3405



87.4054, 0.3324, 0.4265



20.1373, 0.3023, 0.3422



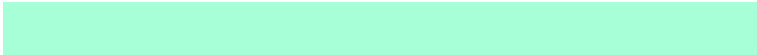
0.0000, 0.0000, 0.0000



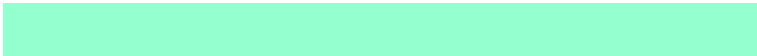
21.4041, 0.3127, 0.3290

Same Dimension

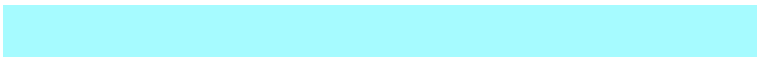
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5368, 0.2827, 0.3748



82.3039, 0.2777, 0.3860



84.0455, 0.2627, 0.3240



20.3355, 0.3040, 0.3399



38.3959, 0.2677, 0.4838



3.7605, 0.2624, 0.4645

Inverse Universe

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



53.0117, 0.3584, 0.2878



46.3966, 0.3719, 0.2793



52.9540, 0.3947, 0.3339



18.1229, 0.3223, 0.3184



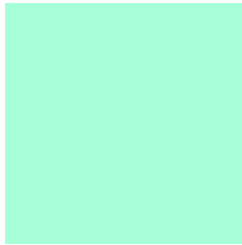
11.7806, 0.5178, 0.2626



1.1687, 0.4897, 0.2471

Previews

White Background



This preview shows how the Yxy color 84.5333, 0.2827, 0.3748 looks on a white background.

Color Contrast Check

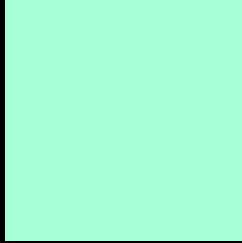
Large Text (above 18pt) WCAG AA × Fail

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 84.5333, 0.2827, 0.3748 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 84.5333, 0.2827, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 84.5333, 0.2827, 0.3748.

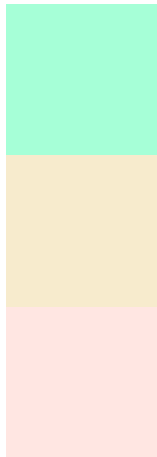


This preview shows how white text looks on a background with the Yxy color 84.5333, 0.2827, 0.3748.

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

84.5333, 0.2827, 0.3748

Protanopia

83.5986, 0.3403, 0.3597

Deuteranopia

83.3446, 0.3327, 0.3330



Tritanopia

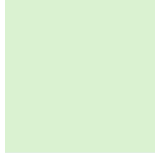
84.1586, 0.2819, 0.3163

Trichromacy



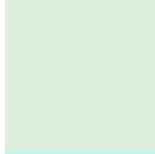
Original Color

84.5333, 0.2827, 0.3748



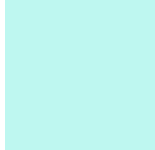
Protanomaly

83.0131, 0.3169, 0.3645



Deuteranomaly

82.6949, 0.3125, 0.3470



Tritanomaly

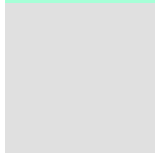
83.7599, 0.2822, 0.3365

Monochromacy



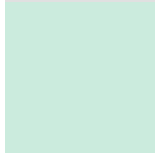
Original Color

84.5333, 0.2827, 0.3748



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3336, 0.3002, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5333, 0.2827, 0.3748 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(166, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 215)  
}
```

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(166, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 84.5333, 0.2827, 0.3748 is called "border". The border property can be set on classes, ids or directly on the HTML element.

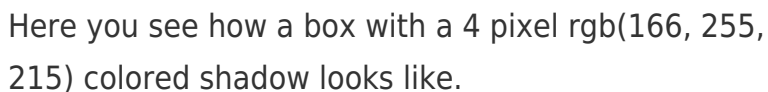
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 255, 215) }
```

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

```
.border{ border-color:rgb(166, 255, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 255, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 255, 215); box-shadow:4px 4px 4px 4px rgb(166, 255, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5333, 0.2827, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 215) }
```

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

```
.background{ background-color: rgb(166,  
255, 215) }
```

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