

Converting Colors

$Yxy(84.5980, 0.2856, 0.3787)$

Have a look what the booklet for
Yxy(84.5980, 0.2856, 0.3787)
contains.

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Color

Yxy(84.5983, 0.2852, 0.3783)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFD4
RGB	168, 255, 212
RGB Percent	66%, 100%, 83%
CMY	0.3415, 0.0000, 0.1686
CMYK	0.34, 0.00, 0.17, 0.00
HSL	150°, 100%, 83%
HSV	150°, 34%, 100%
XYZ	63.7786, 84.5983, 75.2507
YIQ	224.0850, -38.0490, -31.8170

Conversions

Conversions Part 2

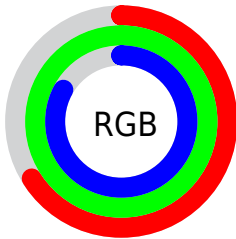
Format	Color
RYB	168, 226, 255
Decimal	11075540
CIELab	93.71, -35.15, 12.33
CIELCh	94, 37.247, 160.671
Yxy	84.5983, 0.2852, 0.3783
Android (android.graphics.Color)	4289265620 (0xFFA8FFD4)
YUV	224.0850, -5.9579, -49.1865
Hunter-Lab	91.9773, -37.1855, 15.8764

Details

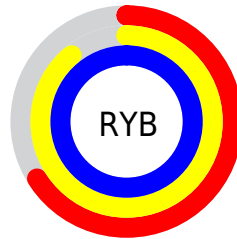
The Yxy color **84.5983, 0.2852, 0.3783** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **53.9354, 0.3537, 0.2848**, and the grayscale version is **74.6500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **46.3332, 0.2792, 0.3909** is the 20% darker color. If you saturate the color by 10%, you get **81.4503, 0.2787, 0.3958**, and if you desaturate by 10%, it is **88.3267, 0.2927, 0.3621**.

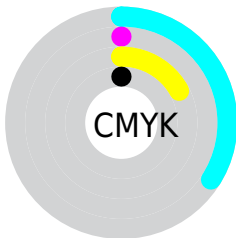
Distribution



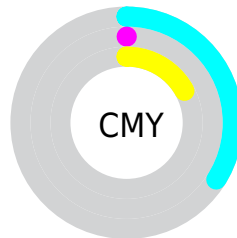
- Red (66%)
- Green (100%)
- Blue (83%)



- Red (66%)
- Yellow (89%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5983, 0.2852, 0.3783 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 84.5983, 0.2852, 0.3783 by changing the saturation by 10% instead.


 84.5983, 0.2852,
0.3783

 84.5983, 0.2852,
0.3783

510.2979, 0.2980,
0.3553

 63.5095, 0.2823,
0.3836

 139.8118, 0.2896,
0.3703

 46.2535, 0.2787,
0.3902


174.7053, 0.2914,
0.3672

 32.4459, 0.2741,
0.3986


214.9692, 0.2929,
0.3645

 21.7023, 0.2681,
0.4096

260.9878, 0.2941,
0.3622

 13.6383, 0.2599,
0.4247

313.1456, 0.2953,
0.3601

 7.8696, 0.2480,
0.4467

371.8270, 0.2963,

 4.0116, 0.2296,

0.3583

0.4814

437.4163, 0.2972,
0.3567

■ 1.6801, 0.1913,
0.5499

■ 0.4107, 0.0000,
1.0000

■ 84.5983, 0.2852,
0.3783

■ 84.5983, 0.2852,
0.3783

■ 81.4503, 0.2787,
0.3958

■ 88.3267, 0.2927,
0.3621

■ 78.8761, 0.2734,
0.4145

■ 92.6929, 0.3007,
0.3473

■ 76.8300, 0.2698,
0.4339

■ 97.7165, 0.3092,
0.3341

■ 75.2707, 0.2681,
0.4536

100.0000, 0.3127,
0.3290

■ 74.1505, 0.2684,
0.4730

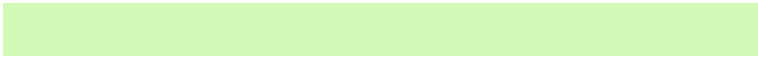
■ 73.4109, 0.2707,
0.4916

■ 73.1068, 0.2728,
0.5020

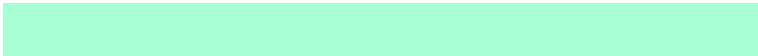
Harmonies

Analogous

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



84.5983, 0.3270, 0.4030



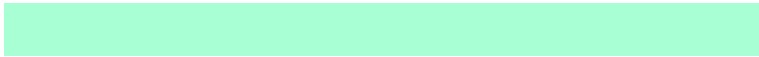
84.5983, 0.2852, 0.3783



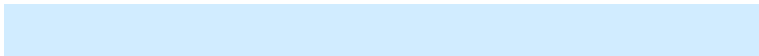
84.5983, 0.2523, 0.3380

Triad

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



84.5983, 0.2852, 0.3783



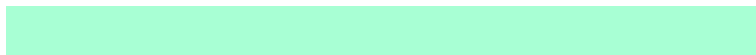
84.5983, 0.2583, 0.2602



84.5983, 0.3966, 0.3506

Complementary

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



84.5983, 0.2852, 0.3783



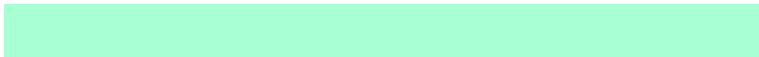
53.9354, 0.3537, 0.2848

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.



84.5983, 0.3758, 0.3162



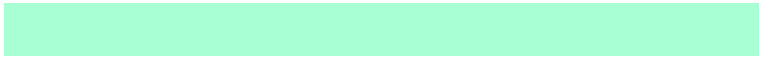
84.5983, 0.2852, 0.3783



84.5983, 0.2939, 0.2661

Square

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



84.5983, 0.2852, 0.3783



84.5983, 0.2377, 0.2707



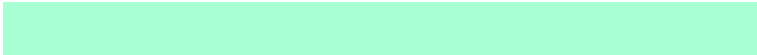
84.5983, 0.3373, 0.2862



84.5983, 0.3927, 0.3825

Rectangle

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



84.5983, 0.2852, 0.3783



84.5983, 0.2391, 0.3105



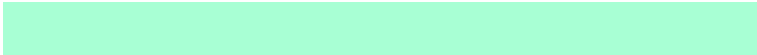
84.5983, 0.3373, 0.2862



84.5983, 0.3923, 0.3390

Sweetspot

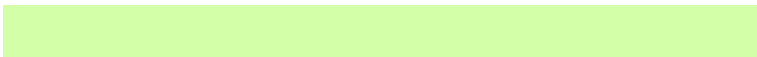
The Sweet Spot groups the original color and five complimentary colors.



84.5894, 0.2852, 0.3783



94.6957, 0.3042, 0.3416



88.2612, 0.3349, 0.4234



20.1208, 0.3030, 0.3435



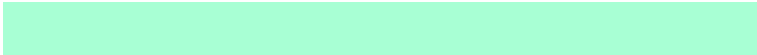
0.0000, 0.0000, 0.0000



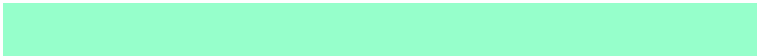
21.4041, 0.3127, 0.3290

Same Dimension

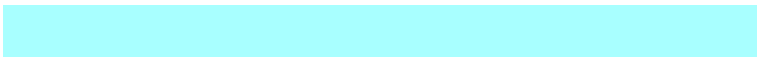
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5894, 0.2852, 0.3783



82.3761, 0.2806, 0.3902



87.0561, 0.2642, 0.3289



20.3216, 0.3046, 0.3410



38.2301, 0.2720, 0.4991



3.7444, 0.2662, 0.4784

Inverse Universe

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



53.9354, 0.3537, 0.2848



47.4848, 0.3653, 0.2758



52.0602, 0.3939, 0.3292



18.1367, 0.3216, 0.3173



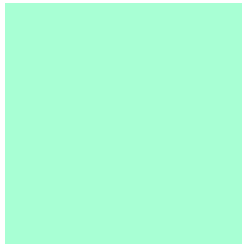
11.9251, 0.4990, 0.2523



1.1831, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 84.5983, 0.2852, 0.3783 looks on a white background.

Color Contrast Check

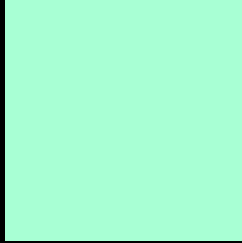
Large Text (above 18pt) WCAG AA × Fail

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 84.5983, 0.2852, 0.3783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

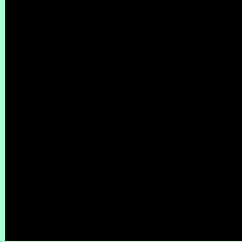
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5983, 0.2852, 0.3783

Background



This preview shows how black text looks on a background with the Yxy color 84.5983, 0.2852, 0.3783.

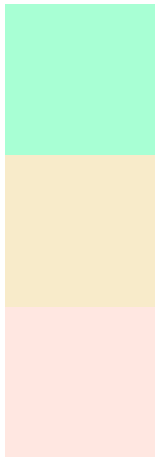


This preview shows how white text looks on a background with the Yxy color 84.5983, 0.2852, 0.3783.

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

84.5983, 0.2852, 0.3783

Protanopia

83.6374, 0.3430, 0.3627

Deuteranopia

83.8481, 0.3333, 0.3350



Tritanopia

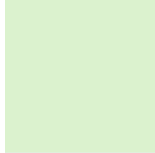
84.3003, 0.2825, 0.3163

Trichromacy



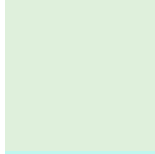
Original Color

84.5983, 0.2852, 0.3783



Protanomaly

83.0206, 0.3194, 0.3678



Deuteranomaly

83.1755, 0.3137, 0.3502



Tritanomaly

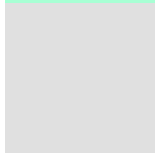
83.9600, 0.2838, 0.3376

Monochromacy



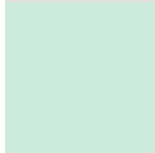
Original Color

84.5983, 0.2852, 0.3783



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4213, 0.3014, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5983, 0.2852, 0.3783 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(168, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 84.5983, 0.2852, 0.3783 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(168, 255, 212) }
```

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

```
.border{ border-color:rgb(168, 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(168, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5983, 0.2852, 0.3783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 212) }
```

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

```
.background{ background-color: rgb(168,  
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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