

Converting Colors

$Yxy(95.5170, 0.2864, 0.3995)$

Have a look what the booklet for
Yxy(95.5170, 0.2864, 0.3995)
contains.

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Color

Yxy(84.1228, 0.2852, 0.3821)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFD1
RGB	165, 255, 209
RGB Percent	65%, 100%, 82%
CMY	0.3528, 0.0000, 0.1804
CMYK	0.35, 0.00, 0.18, 0.00
HSL	149°, 100%, 82%
HSV	149°, 35%, 100%
XYZ	62.7894, 84.1228, 73.2469
YIQ	222.8460, -38.8740, -33.3860

Conversions

Conversions Part 2

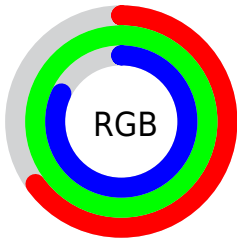
Format	Color
RYB	165, 225, 255
Decimal	10878929
CIELab	93.50, -36.53, 13.56
CIElCh	94, 38.969, 159.642
Yxy	84.1228, 0.2852, 0.3821
Android (android.graphics.Color)	4289069009 (0xFFA5FFD1)
YUV	222.8460, -6.8261, -50.7309
Hunter-Lab	91.7185, -38.3084, 16.8536

Details

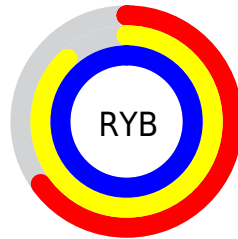
The Yxy color **84.1228, 0.2852, 0.3821** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.8854, 0.3541, 0.2818**, and the grayscale version is **73.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **46.0059, 0.2780, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **81.0383, 0.2790, 0.4005**, and if you desaturate by 10%, it is **87.8112, 0.2924, 0.3651**.

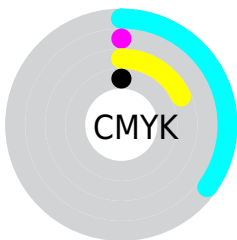
Distribution



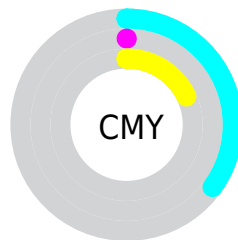
- Red (65%)
- Green (100%)
- Blue (82%)



- Red (65%)
- Yellow (88%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1228, 0.2852, 0.3821 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 84.1228, 0.2852, 0.3821 by changing the saturation by 10% instead.


 84.1228, 0.2852,
0.3821

 84.1228, 0.2852,
0.3821


508.7209, 0.2981,
0.3572

 63.1168, 0.2822,
0.3879


 139.1469, 0.2897,
0.3734

 45.9357, 0.2786,
0.3950

 173.9339, 0.2914,
0.3700

 32.1951, 0.2739,
0.4041


214.0833, 0.2929,
0.3671

 21.5106, 0.2678,
0.4162

259.9796, 0.2942,
0.3646

 13.4977, 0.2594,
0.4327

312.0071, 0.2953,
0.3624

 7.7722, 0.2472,
0.4568

370.5502, 0.2964,

 3.9495, 0.2280,

0.3605

435.9934, 0.2972,
0.3588

0.4950

1.6454, 0.1853,
0.5764

0.3879, 0.0000,
1.0000

84.1228, 0.2852,
0.3821

84.1228, 0.2852,
0.3821

81.0383, 0.2790,
0.4005

87.8112, 0.2924,
0.3651

78.5150, 0.2741,
0.4199

92.1258, 0.3002,
0.3496

76.5185, 0.2708,
0.4401

97.0983, 0.3083,
0.3357

75.0068, 0.2694,
0.4605

100.0000, 0.3127,
0.3290

■ 73.9309, 0.2701,
0.4804

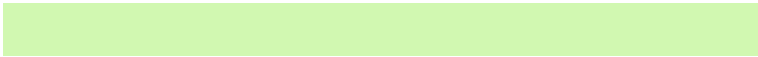
■ 73.2308, 0.2727,
0.4994

■ 72.9910, 0.2744,
0.5079

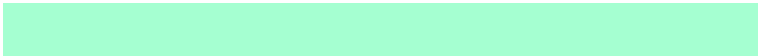
Harmonies

Analogous

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



84.1228, 0.3290, 0.4072



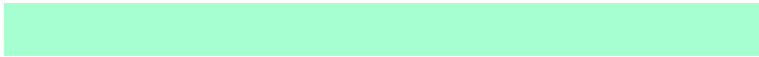
84.1228, 0.2852, 0.3821



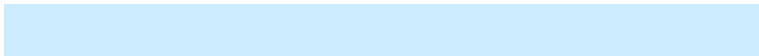
84.1228, 0.2504, 0.3399

Triad

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



84.1228, 0.2852, 0.3821



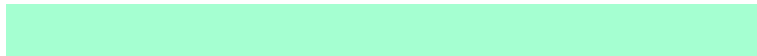
84.1228, 0.2547, 0.2572



84.1228, 0.4003, 0.3501

Complementary

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



84.1228, 0.2852, 0.3821



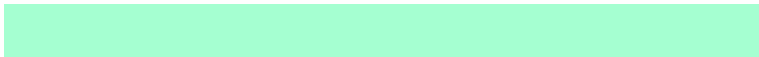
52.8854, 0.3541, 0.2818

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.



84.1228, 0.3778, 0.3143



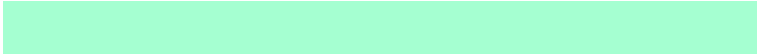
84.1228, 0.2852, 0.3821



84.1228, 0.2915, 0.2629

Square

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



84.1228, 0.2852, 0.3821



84.1228, 0.2340, 0.2687



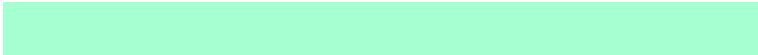
84.1228, 0.3368, 0.2833



84.1228, 0.3971, 0.3837

Rectangle

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



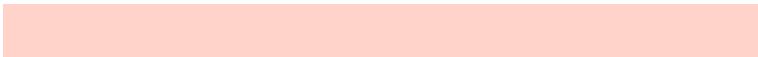
84.1228, 0.2852, 0.3821



84.1228, 0.2363, 0.3108



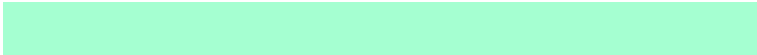
84.1228, 0.3368, 0.2833



84.1228, 0.3955, 0.3380

Sweetspot

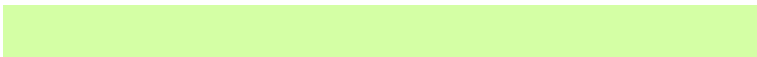
The Sweet Spot groups the original color and five complimentary colors.



84.1258, 0.2852, 0.3821



94.1732, 0.3036, 0.3435



88.1626, 0.3366, 0.4265



20.0154, 0.3025, 0.3454



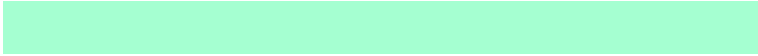
0.0000, 0.0000, 0.0000



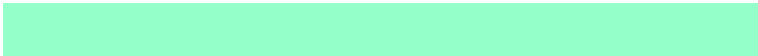
21.4041, 0.3127, 0.3290

Same Dimension

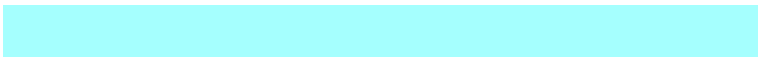
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1258, 0.2852, 0.3821



81.9879, 0.2809, 0.3943



86.6462, 0.2635, 0.3305



20.3161, 0.3049, 0.3414



38.1693, 0.2736, 0.5049



3.7384, 0.2677, 0.4838

Inverse Universe

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



52.8854, 0.3541, 0.2818



46.7040, 0.3652, 0.2727



50.9533, 0.3963, 0.3277



18.1421, 0.3214, 0.3169



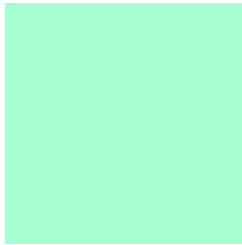
11.9866, 0.4916, 0.2482



1.1892, 0.4668, 0.2345

Previews

White Background



This preview shows how the Yxy color 84.1228, 0.2852, 0.3821 looks on a white background.

Color Contrast Check

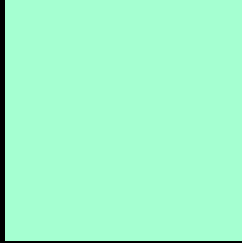
Large Text (above 18pt) WCAG AA × Fail

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 84.1228, 0.2852, 0.3821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

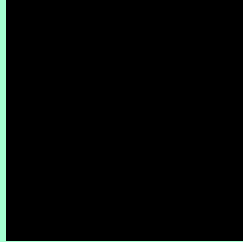
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

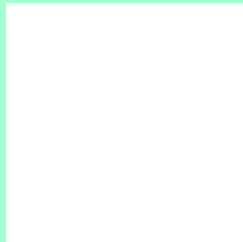
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1228, 0.2852, 0.3821

Background



This preview shows how black text looks on a background with the Yxy color 84.1228, 0.2852, 0.3821.

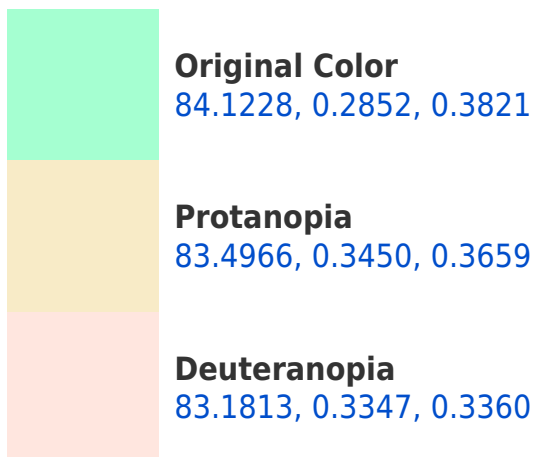


This preview shows how white text looks on a background with the Yxy color 84.1228, 0.2852, 0.3821.

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

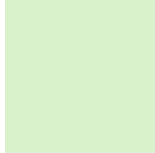
83.4208, 0.2813, 0.3152

Trichromacy



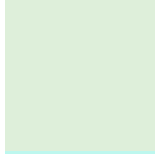
Original Color

84.1228, 0.2852, 0.3821



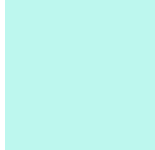
Protanomaly

82.7215, 0.3206, 0.3712



Deuteranomaly

82.3246, 0.3143, 0.3514



Tritanomaly

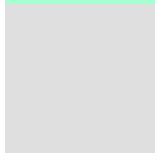
83.5134, 0.2826, 0.3388

Monochromacy



Original Color

84.1228, 0.2852, 0.3821



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0352, 0.3013, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1228, 0.2852, 0.3821 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 84.1228, 0.2852, 0.3821 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, 209) }
```

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

```
.border{ border-color:rgb(165, 255, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1228, 0.2852, 0.3821 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, 209) }
```

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

```
.background{ background-color: rgb(165,  
255, 209) }
```

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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