

Converting Colors

$Yxy(86.5103, 0.2815, 0.3582)$

Have a look what the booklet for
Yxy(86.5103, 0.2815, 0.3582)
contains.

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Color

Yxy(86.5243, 0.2814, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFE5
RGB	177, 255, 229
RGB Percent	69%, 100%, 90%
CMY	0.3056, 0.0000, 0.1019
CMYK	0.31, 0.00, 0.10, 0.00
HSL	160°, 100%, 85%
HSV	160°, 31%, 100%
XYZ	68.0490, 86.5243, 87.2498
YIQ	228.7140, -38.1420, -24.6220

Conversions

Conversions Part 2

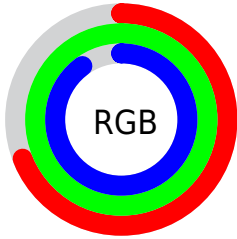
Format	Color
RYB	177, 224, 255
Decimal	11665381
CIELab	94.54, -29.15, 4.81
CIElCh	95, 29.545, 170.622
Yxy	86.5243, 0.2814, 0.3578
Android (android.graphics.Color)	4289855461 (0xFFB1FFE5)
YUV	228.7140, 0.1410, -45.3532
Hunter-Lab	93.0184, -32.1980, 9.4999

Details

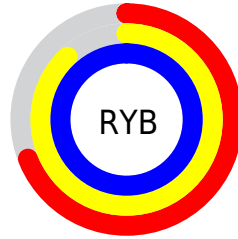
The Yxy color **86.5243, 0.2814, 0.3578** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.0499, 0.3589, 0.3022**, and the grayscale version is **78.1681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.5817, 0.2742, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **83.3428, 0.2728, 0.3690**, and if you desaturate by 10%, it is **90.2956, 0.2910, 0.3474**.

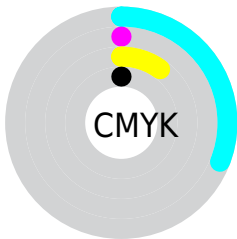
Distribution



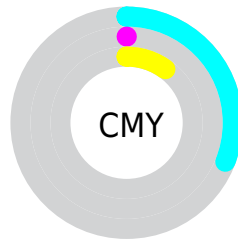
- Red (69%)
- Green (100%)
- Blue (90%)



- Red (69%)
- Yellow (88%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5243, 0.2814, 0.3578 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 86.5243, 0.2814, 0.3578 by changing the saturation by 10% instead.


 86.5243, 0.2814,
0.3578

 86.5243, 0.2814,
0.3578


516.6584, 0.2955,
0.3446

 65.1016, 0.2783,
0.3608


 142.5009, 0.2862,
0.3533

 47.5435, 0.2744,
0.3644


177.8236, 0.2881,
0.3515

 33.4655, 0.2696,
0.3690


218.5485, 0.2898,
0.3500

 22.4833, 0.2634,
0.3749

265.0598, 0.2912,
0.3486

 14.2124, 0.2551,
0.3830

317.7421, 0.2925,
0.3475

 8.2686, 0.2436,
0.3943


376.9797, 0.2936,


 4.2673, 0.2263,

0.3464

0.4117


443.1570, 0.2946,
0.3455

 1.8242, 0.1980,
0.4415


 0.5022, 0.0000,
0.7049


 86.5243, 0.2814,
0.3578


 86.5243, 0.2814,
0.3578

 83.3428, 0.2728,
0.3690


 90.2956, 0.2910,
0.3474


 80.7090, 0.2655,
0.3809

 94.6753, 0.3014,
0.3380


 78.5919, 0.2599,
0.3934


 99.6940, 0.3121,
0.3294

 76.9527, 0.2562,
0.4063

 99.9932, 0.3127,
0.3290

 75.7472, 0.2545,
0.4193

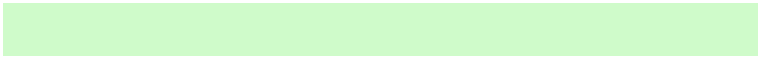
 74.9226, 0.2548,
0.4322

 74.4140, 0.2567,
0.4442

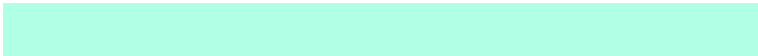
Harmonies

Analogous

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



86.5243, 0.3133, 0.3819



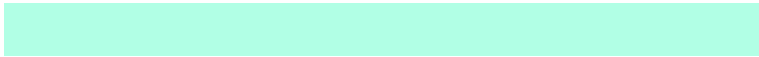
86.5243, 0.2814, 0.3578



86.5243, 0.2586, 0.3256

Triad

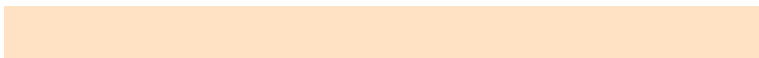
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5243, 0.2814, 0.3578



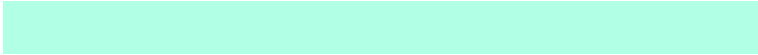
86.5243, 0.2779, 0.2740



86.5243, 0.3798, 0.3559

Complementary

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



86.5243, 0.2814, 0.3578



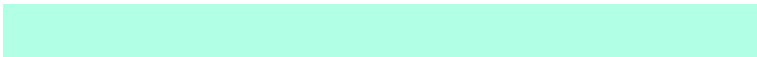
57.0499, 0.3589, 0.3022

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.



86.5243, 0.3696, 0.3283



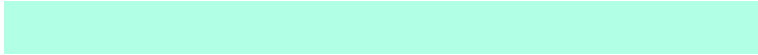
86.5243, 0.2814, 0.3578



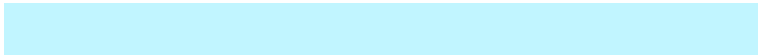
86.5243, 0.3093, 0.2828

Square

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



86.5243, 0.2814, 0.3578



86.5243, 0.2568, 0.2785



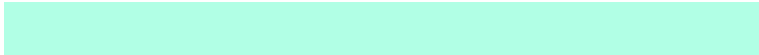
86.5243, 0.3432, 0.3022



86.5243, 0.3709, 0.3786

Rectangle

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



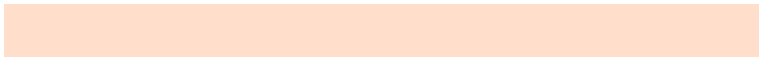
86.5243, 0.2814, 0.3578



86.5243, 0.2511, 0.3053



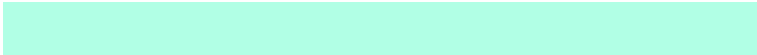
86.5243, 0.3432, 0.3022



86.5243, 0.3785, 0.3469

Sweetspot

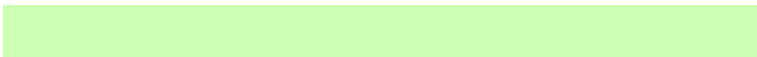
The Sweet Spot groups the original color and five complimentary colors.



86.5278, 0.2814, 0.3578



95.4210, 0.3030, 0.3366



87.5778, 0.3253, 0.4147



20.2762, 0.3015, 0.3379



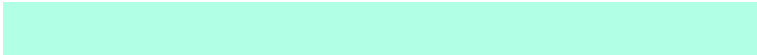
0.0000, 0.0000, 0.0000



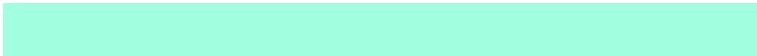
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5278, 0.2814, 0.3578



84.4176, 0.2757, 0.3649



80.8591, 0.2672, 0.3161



20.3724, 0.3025, 0.3370



38.9155, 0.2561, 0.4421



3.8094, 0.2521, 0.4276

Inverse Universe

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



57.0499, 0.3589, 0.3022



50.4383, 0.3728, 0.2963



60.7316, 0.3785, 0.3414



18.0870, 0.3242, 0.3211



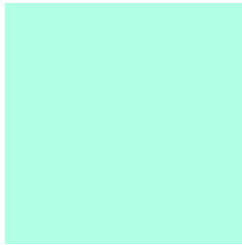
11.4764, 0.5646, 0.2884



1.1367, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 86.5243, 0.2814, 0.3578 looks on a white background.

Color Contrast Check

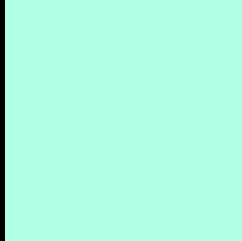
Large Text (above 18pt) WCAG AA × Fail

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 86.5243, 0.2814, 0.3578 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 86.5243, 0.2814, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 86.5243, 0.2814, 0.3578.

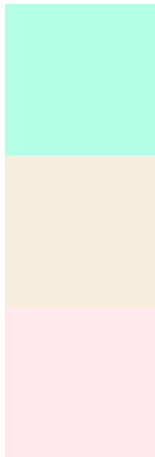


This preview shows how white text looks on a background with the Yxy color 86.5243, 0.2814, 0.3578.

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

86.5243, 0.2814, 0.3578

Protanopia

85.5098, 0.3302, 0.3462

Deuteranopia

85.5940, 0.3258, 0.3261



Tritanopia

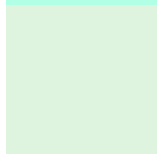
86.0675, 0.2872, 0.3176

Trichromacy



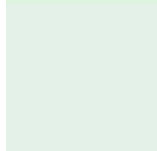
Original Color

86.5243, 0.2814, 0.3578



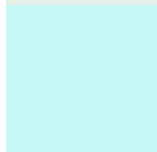
Protanomaly

85.5587, 0.3110, 0.3511



Deuteranomaly

85.1247, 0.3084, 0.3373



Tritanomaly

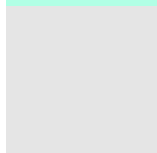
86.0680, 0.2847, 0.3310

Monochromacy



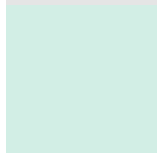
Original Color

86.5243, 0.2814, 0.3578



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5079, 0.2999, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5243, 0.2814, 0.3578 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(177, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 229)  
}
```

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(177, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 86.5243, 0.2814, 0.3578 is called "border". The border property can be set on classes, ids or directly on the HTML element.

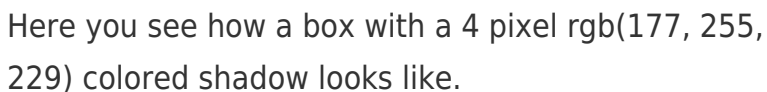
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 229) }
```

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

```
.border{ border-color:rgb(177, 255, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5243, 0.2814, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 229) }
```

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

```
.background{ background-color: rgb(177,  
255, 229) }
```

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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