

Converting Colors

$Yxy(86.2776, 0.2849, 0.3649)$

Have a look what the booklet for
Yxy(86.2776, 0.2849, 0.3649)
contains.

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Color

Yxy(86.3127, 0.2850, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFDF
RGB	178, 255, 223
RGB Percent	70%, 100%, 87%
CMY	0.3017, 0.0000, 0.1256
CMYK	0.30, 0.00, 0.13, 0.00
HSL	155°, 100%, 85%
HSV	155°, 30%, 100%
XYZ	67.4503, 86.3127, 82.9047
YIQ	228.3290, -35.6200, -26.2760

Conversions

Conversions Part 2

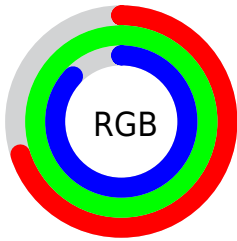
Format	Color
RYB	178, 227, 255
Decimal	11730911
CIELab	94.45, -30.08, 7.79
CIElCh	94, 31.070, 165.470
Yxy	86.3127, 0.2850, 0.3647
Android (android.graphics.Color)	4289920991 (0xFFB2FFDF)
YUV	228.3290, -2.6272, -44.1385
Hunter-Lab	92.9046, -32.9892, 12.1250

Details

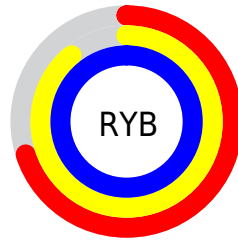
The Yxy color **86.3127, 0.2850, 0.3647** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.7876, 0.3526, 0.2961**, and the grayscale version is **77.8881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.4263, 0.2786, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **83.0189, 0.2772, 0.3789**, and if you desaturate by 10%, it is **90.2102, 0.2937, 0.3517**.

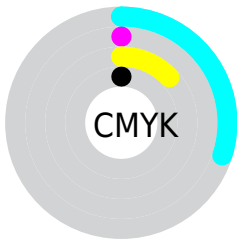
Distribution



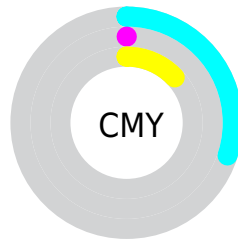
- Red (70%)
- Green (100%)
- Blue (87%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3127, 0.2850, 0.3647 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 86.3127, 0.2850, 0.3647 by changing the saturation by 10% instead.


 86.3127, 0.2850,
0.3647

 86.3127, 0.2850,
0.3647


515.9617, 0.2976,
0.3483

 64.9266, 0.2822,
0.3684

 142.2058, 0.2893,
0.3590

 47.4015, 0.2787,
0.3731


177.4815, 0.2910,
0.3568

 33.3532, 0.2743,
0.3789


218.1559, 0.2925,
0.3549

 22.3972, 0.2686,
0.3865

264.6134, 0.2938,
0.3532

 14.1490, 0.2610,
0.3968

317.2383, 0.2949,
0.3518

 8.2244, 0.2503,
0.4116

376.4151, 0.2959,

 4.2389, 0.2340,

0.3505

0.4345

442.5281, 0.2968,
0.3493

■ 1.8081, 0.2063,
0.4746

■ 0.4922, 0.0000,
1.0000

■ 86.3127, 0.2850,
0.3647

■ 86.3127, 0.2850,
0.3647

■ 83.0189, 0.2772,
0.3789

■ 90.2102, 0.2937,
0.3517

■ 80.2863, 0.2707,
0.3940

■ 94.7300, 0.3030,
0.3398

■ 78.0837, 0.2657,
0.4099

■ 99.9031, 0.3126,
0.3292

■ 76.3723, 0.2626,
0.4263

■ 99.9952, 0.3127,
0.3290

■ 75.1077, 0.2615,
0.4428

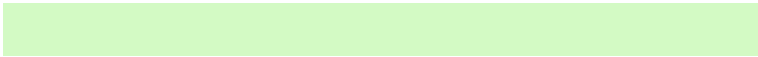
■ 74.2371, 0.2625,
0.4590

■ 73.6813, 0.2651,
0.4745

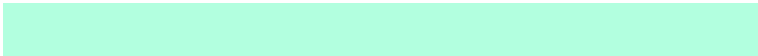
Harmonies

Analogous

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



86.3127, 0.3193, 0.3876



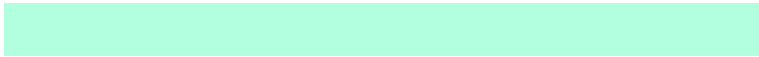
86.3127, 0.2850, 0.3647



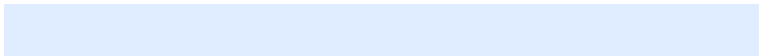
86.3127, 0.2590, 0.3312

Triad

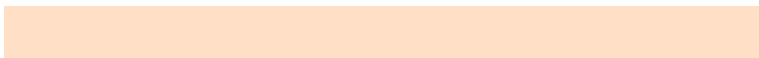
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3127, 0.2850, 0.3647



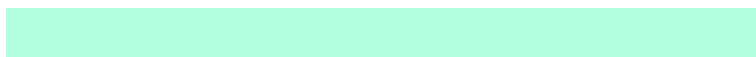
86.3127, 0.2714, 0.2711



86.3127, 0.3830, 0.3523

Complementary

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



86.3127, 0.2850, 0.3647



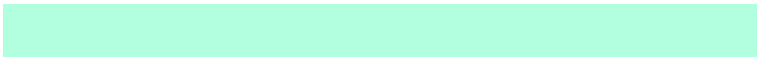
57.7876, 0.3526, 0.2961

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.



86.3127, 0.3689, 0.3232



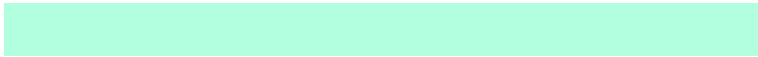
86.3127, 0.2850, 0.3647



86.3127, 0.3029, 0.2781

Square

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



86.3127, 0.2850, 0.3647



86.3127, 0.2516, 0.2782



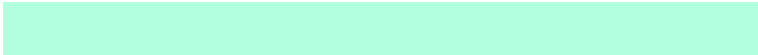
86.3127, 0.3389, 0.2967



86.3127, 0.3769, 0.3776

Rectangle

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



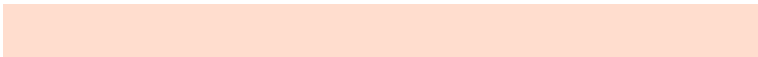
86.3127, 0.2850, 0.3647



86.3127, 0.2494, 0.3091



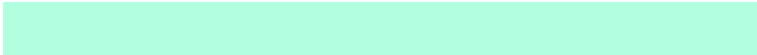
86.3127, 0.3389, 0.2967



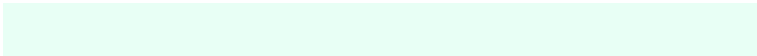
86.3127, 0.3805, 0.3427

Sweetspot

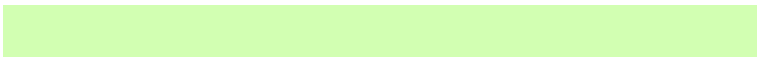
The Sweet Spot groups the original color and five complimentary colors.



86.3162, 0.2850, 0.3647



95.3042, 0.3041, 0.3385



88.4527, 0.3284, 0.4126



20.2473, 0.3027, 0.3401



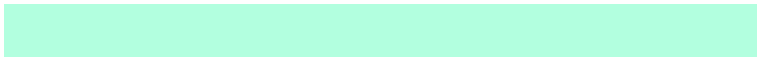
0.0000, 0.0000, 0.0000



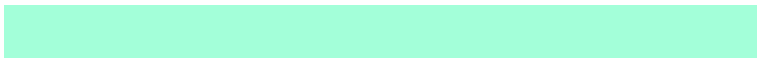
21.4041, 0.3127, 0.3290

Same Dimension

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



86.3162, 0.2850, 0.3647



84.3269, 0.2803, 0.3728



84.1875, 0.2683, 0.3219



20.3461, 0.3036, 0.3391



38.5331, 0.2644, 0.4719



3.7736, 0.2594, 0.4539

Inverse Universe

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



57.7876, 0.3526, 0.2961



51.7615, 0.3633, 0.2895



58.9597, 0.3790, 0.3359



18.1125, 0.3229, 0.3191



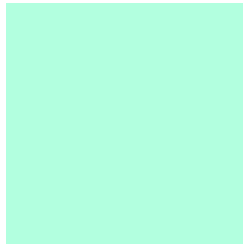
11.6819, 0.5318, 0.2703



1.1586, 0.5022, 0.2540

Previews

White Background



This preview shows how the Yxy color 86.3127, 0.2850, 0.3647 looks on a white background.

Color Contrast Check

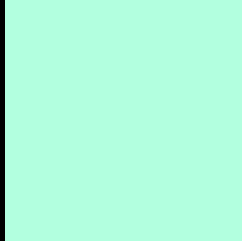
Large Text (above 18pt) WCAG AA × Fail

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 86.3127, 0.2850, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

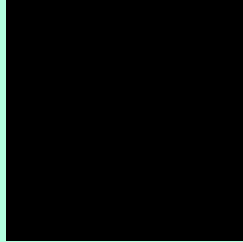
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3127, 0.2850, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 86.3127, 0.2850, 0.3647.

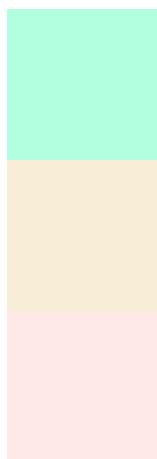


This preview shows how white text looks on a background with the Yxy color 86.3127, 0.2850, 0.3647.

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

86.3127, 0.2850, 0.3647

Protanopia

85.3799, 0.3348, 0.3523

Deuteranopia

85.3640, 0.3284, 0.3300



Tritanopia

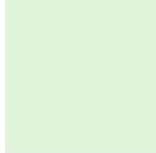
86.0675, 0.2872, 0.3176

Trichromacy



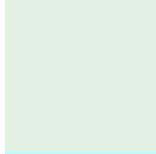
Original Color

86.3127, 0.2850, 0.3647



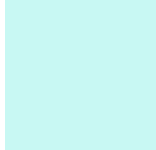
Protanomaly

85.3991, 0.3153, 0.3575



Deuteranomaly

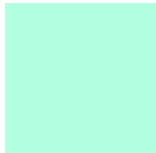
84.8986, 0.3108, 0.3415



Tritanomaly

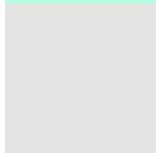
85.8852, 0.2863, 0.3343

Monochromacy



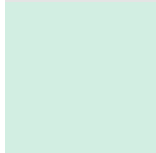
Original Color

86.3127, 0.2850, 0.3647



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3417, 0.3017, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3127, 0.2850, 0.3647 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(178, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 223)  
}
```

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(178, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 86.3127, 0.2850, 0.3647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

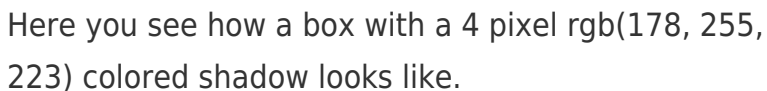
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 255, 223) }
```

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

```
.border{ border-color:rgb(178, 255, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3127, 0.2850, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 223) }
```

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

```
.background{ background-color: rgb(178,  
255, 223) }
```

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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