

Converting Colors

$Yxy(86.1609, 0.2847, 0.3654)$

Have a look what the booklet for
Yxy(86.1609, 0.2847, 0.3654)
contains.

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Color

Yxy(86.1410, 0.2849, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFDE
RGB	177, 255, 222
RGB Percent	69%, 100%, 87%
CMY	0.3060, 0.0000, 0.1293
CMYK	0.31, 0.00, 0.13, 0.00
HSL	155°, 100%, 85%
HSV	155°, 31%, 100%
XYZ	67.0718, 86.1410, 82.2094
YIQ	227.9160, -35.8950, -26.7990

Conversions

Conversions Part 2

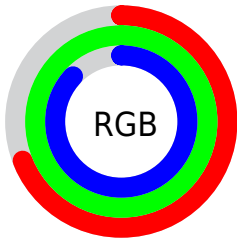
Format	Color
RYB	177, 226, 255
Decimal	11665374
CIELab	94.37, -30.60, 8.18
CIELCh	94, 31.671, 165.031
Yxy	86.1410, 0.2849, 0.3659
Android (android.graphics.Color)	4289855454 (0xFFB1FFDE)
YUV	227.9160, -2.9166, -44.6533
Hunter-Lab	92.8122, -33.4262, 12.4517

Details

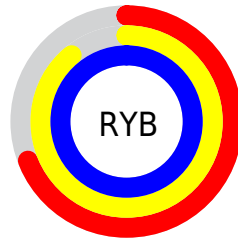
The Yxy color **86.1410, 0.2849, 0.3659** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.3417, 0.3529, 0.2951**, and the grayscale version is **77.5529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.3158, 0.2786, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **82.8592, 0.2772, 0.3803**, and if you desaturate by 10%, it is **90.0132, 0.2935, 0.3526**.

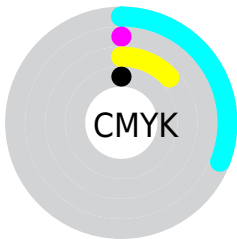
Distribution



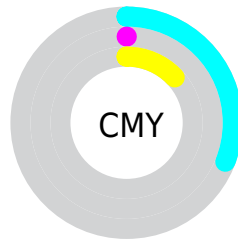
- Red (69%)
- Green (100%)
- Blue (87%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1410, 0.2849, 0.3659 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 86.1410, 0.2849, 0.3659 by changing the saturation by 10% instead.


 86.1410, 0.2849,
0.3659

 86.1410, 0.2849,
0.3659


515.3960, 0.2976,
0.3489

 64.7846, 0.2820,
0.3698


 141.9662, 0.2893,
0.3600

 47.2864, 0.2785,
0.3746

177.2038, 0.2910,
0.3577

 33.2621, 0.2741,
0.3806


217.8373, 0.2925,
0.3557

 22.3273, 0.2684,
0.3885

264.2510, 0.2937,
0.3540

 14.0976, 0.2607,
0.3992

316.8293, 0.2949,
0.3525

 8.1886, 0.2499,
0.4146

375.9566, 0.2959,

 4.2159, 0.2333,

0.3512

0.4385

442.0174, 0.2968,
0.3500

1.7950, 0.2050,
0.4806

0.4841, 0.0000,
1.0000

86.1410, 0.2849,
0.3659

86.1410, 0.2849,
0.3659

82.8592, 0.2772,
0.3803

90.0132, 0.2935,
0.3526

80.1448, 0.2708,
0.3958


94.5143, 0.3026,
0.3405


77.9598, 0.2660,
0.4120

99.6687, 0.3121,
0.3296

76.2653, 0.2630,
0.4287

100.0000, 0.3127,
0.3290

 75.0164, 0.2620,
0.4455

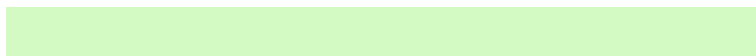
 74.1600, 0.2632,
0.4619

 73.6334, 0.2658,
0.4768

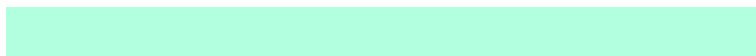
Harmonies

Analogous

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



86.1410, 0.3199, 0.3890



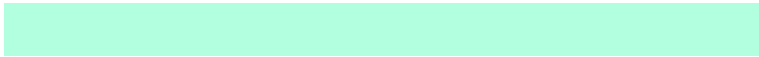
86.1410, 0.2849, 0.3659



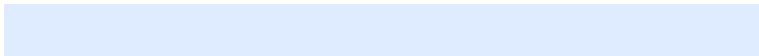
86.1410, 0.2583, 0.3317

Triad

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



86.1410, 0.2849, 0.3659



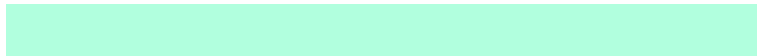
86.1410, 0.2702, 0.2700



86.1410, 0.3843, 0.3523

Complementary

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



86.1410, 0.2849, 0.3659



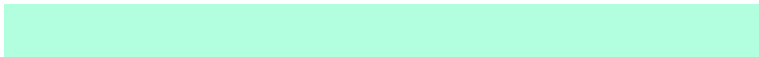
57.3417, 0.3529, 0.2951

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.



86.1410, 0.3697, 0.3226



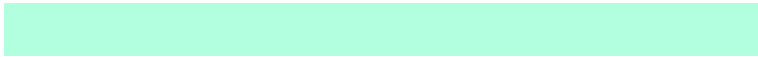
86.1410, 0.2849, 0.3659



86.1410, 0.3022, 0.2769

Square

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



86.1410, 0.2849, 0.3659



86.1410, 0.2503, 0.2774



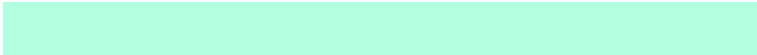
86.1410, 0.3389, 0.2957



86.1410, 0.3784, 0.3782

Rectangle

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



86.1410, 0.2849, 0.3659



86.1410, 0.2483, 0.3091



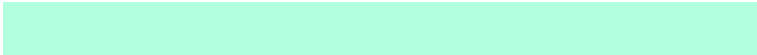
86.1410, 0.3389, 0.2957



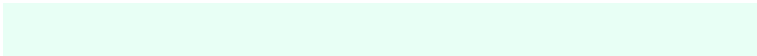
86.1410, 0.3817, 0.3424

Sweetspot

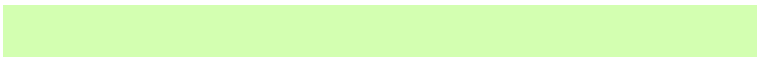
The Sweet Spot groups the original color and five complimentary colors.



86.1380, 0.2849, 0.3659



95.2951, 0.3041, 0.3387



88.5096, 0.3295, 0.4137



20.2451, 0.3028, 0.3403



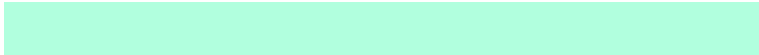
0.0000, 0.0000, 0.0000



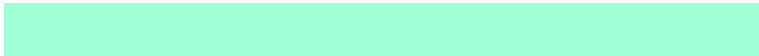
21.4041, 0.3127, 0.3290

Same Dimension

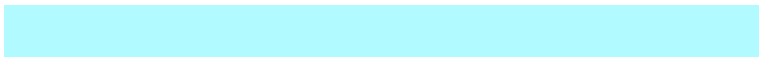
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1380, 0.2849, 0.3659



83.9732, 0.2799, 0.3750



84.8088, 0.2679, 0.3232



20.3440, 0.3037, 0.3392



38.5055, 0.2651, 0.4742



3.7710, 0.2600, 0.4560

Inverse Universe

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



57.3417, 0.3529, 0.2951



50.8225, 0.3647, 0.2878



57.9581, 0.3807, 0.3347



18.1145, 0.3228, 0.3190



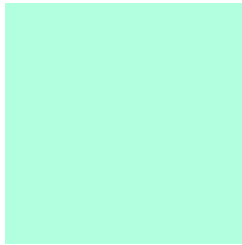
11.7005, 0.5291, 0.2688



1.1605, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 86.1410, 0.2849, 0.3659 looks on a white background.

Color Contrast Check

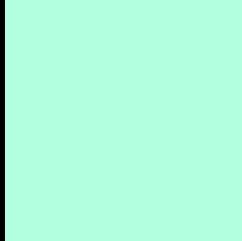
Large Text (above 18pt) WCAG AA × Fail

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 86.1410, 0.2849, 0.3659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

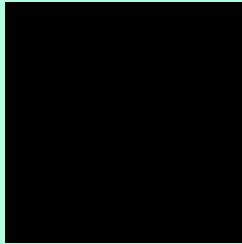
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1410, 0.2849, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 86.1410, 0.2849, 0.3659.

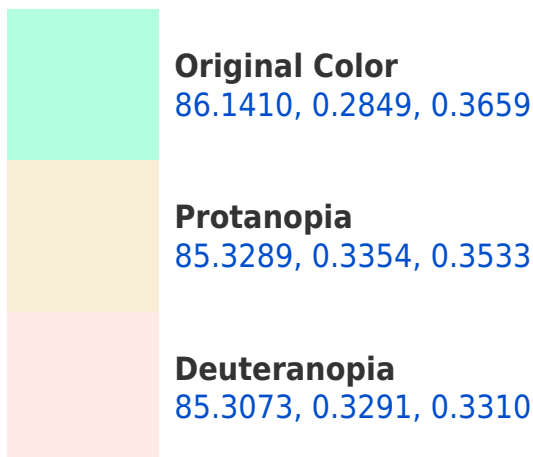


This preview shows how white text looks on a background with the Yxy color 86.1410, 0.2849, 0.3659.

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

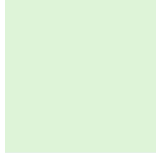
85.9184, 0.2866, 0.3175

Trichromacy



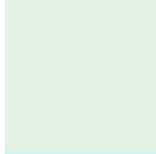
Original Color

86.1410, 0.2849, 0.3659



Protanomaly

85.1888, 0.3152, 0.3587



Deuteranomaly

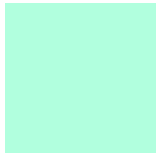
84.8429, 0.3114, 0.3425



Tritanomaly

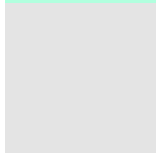
85.7480, 0.2857, 0.3343

Monochromacy



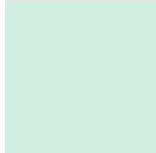
Original Color

86.1410, 0.2849, 0.3659



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.1954, 0.3010, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1410, 0.2849, 0.3659 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 86.1410, 0.2849, 0.3659 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, 222) }
```

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

```
.border{ border-color:rgb(177, 255, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1410, 0.2849, 0.3659 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, 222) }
```

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

```
.background{ background-color: rgb(177,  
255, 222) }
```

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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