

Converting Colors

$Y_{xy}(100.0000, 0.2936, 0.3955)$

Have a look what the booklet for
Yxy(100.0000, 0.2936, 0.3955)
contains.

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Color

Yxy(86.5144, 0.2935, 0.3759)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B8FFD5 |
| RGB | 184, 255, 213 |
| RGB Percent | 72%, 100%, 84% |
| CMY | 0.2781, 0.0000, 0.1647 |
| CMYK | 0.28, 0.00, 0.16, 0.00 |
| HSL | 144°, 100%, 86% |
| HSV | 144°, 28%, 100% |
| XYZ | 67.5498, 86.5144, 76.0885 |
| YIQ | 228.9830, -28.8340, -28.1140 |

Conversions

Conversions Part 2

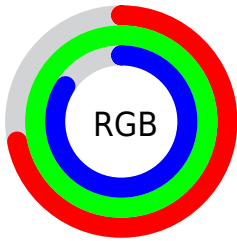
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 184, 234, 255 |
| Decimal | 12124117 |
| CIELab | 94.53, -30.23, 13.09 |
| CIELCh | 95, 32.941, 156.582 |
| Yxy | 86.5144, 0.2935, 0.3759 |
| Android (android.graphics.Color) | 4290314197 (0xFFB8FFD5) |
| YUV | 228.9830, -7.8796, -39.4501 |
| Hunter-Lab | 93.0131, -33.1392, 16.6076 |

Details

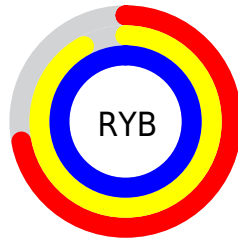
The Yxy color **86.5144, 0.2935, 0.3759** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.0641, 0.3384, 0.2865**, and the grayscale version is **78.4287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **47.5239, 0.2889, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **82.9147, 0.2874, 0.3962**, and if you desaturate by 10%, it is **90.7603, 0.3002, 0.3574**.

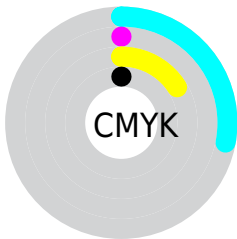
Distribution



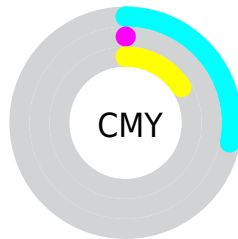
- Red (72%)
- Green (100%)
- Blue (84%)



- Red (72%)
- Yellow (92%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5144, 0.2935, 0.3759 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 86.5144, 0.2935, 0.3759 by changing the saturation by 10% instead.

 86.5144, 0.2935,
0.3759

 86.5144, 0.2935,
0.3759


516.6259, 0.3025,
0.3541

 65.0934, 0.2914,
0.3809

 142.4871, 0.2966,
0.3683

 47.5368, 0.2889,
0.3871


177.8076, 0.2978,
0.3654

 33.4602, 0.2856,
0.3949


218.5301, 0.2989,
0.3629

 22.4793, 0.2813,
0.4052

265.0389, 0.2998,
0.3606

 14.2095, 0.2754,
0.4192

317.7186, 0.3006,
0.3587

 8.2665, 0.2668,
0.4395


376.9533, 0.3013,

 4.2659, 0.2533,


0.3570


0.4713


443.1276, 0.3019,
0.3555


 1.8234, 0.2293,
0.5284


 0.5017, 0.0000,
1.0000


 86.5144, 0.2935,
0.3759

 86.5144, 0.2935,
0.3759


 82.9147, 0.2874,
0.3962


 90.7603, 0.3002,
0.3574


 79.9179, 0.2823,
0.4181

 95.6717, 0.3072,
0.3407


 77.4923, 0.2785,
0.4410


 99.9945, 0.3127,
0.3290

 75.5988, 0.2763,
0.4645

 74.1928, 0.2759,
0.4877

 73.2224, 0.2775,
0.5097

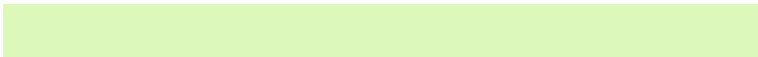
 72.6187, 0.2808,
0.5297

 72.5142, 0.2816,
0.5338

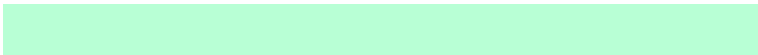
Harmonies

Analogous

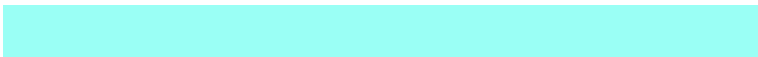
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5144, 0.3307, 0.3948



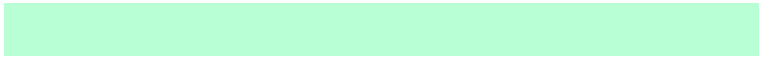
86.5144, 0.2935, 0.3759



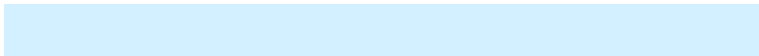
86.5144, 0.2627, 0.3422

Triad

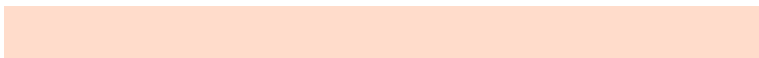
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5144, 0.2935, 0.3759



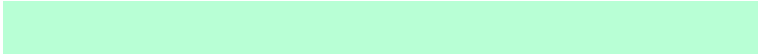
86.5144, 0.2613, 0.2685



86.5144, 0.3850, 0.3444

Complementary

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



86.5144, 0.2935, 0.3759



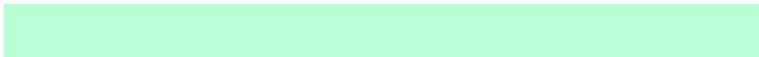
61.0641, 0.3384, 0.2865

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.



86.5144, 0.3642, 0.3139



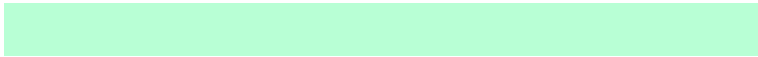
86.5144, 0.2935, 0.3759



86.5144, 0.2915, 0.2717

Square

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



86.5144, 0.2935, 0.3759



86.5144, 0.2450, 0.2803



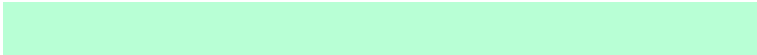
86.5144, 0.3292, 0.2880



86.5144, 0.3848, 0.3732

Rectangle

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



86.5144, 0.2935, 0.3759



86.5144, 0.2494, 0.3178



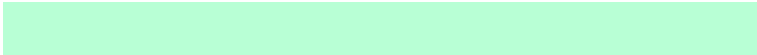
86.5144, 0.3292, 0.2880



86.5144, 0.3802, 0.3341

Sweetspot

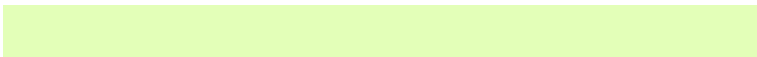
The Sweet Spot groups the original color and five complimentary colors.



86.5180, 0.2935, 0.3759



95.5805, 0.3070, 0.3410



91.2481, 0.3359, 0.4034



20.2910, 0.3060, 0.3434



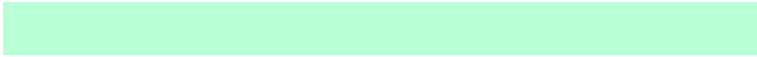
0.0000, 0.0000, 0.0000



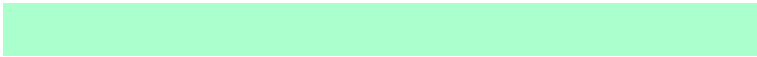
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5180, 0.2935, 0.3759



84.5773, 0.2903, 0.3862



88.4850, 0.2756, 0.3365



20.2910, 0.3060, 0.3434



37.9210, 0.2808, 0.5307



3.7133, 0.2745, 0.5081

Inverse Universe

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



61.0641, 0.3384, 0.2865



55.5323, 0.3446, 0.2782



59.3384, 0.3677, 0.3218



18.1676, 0.3201, 0.3150



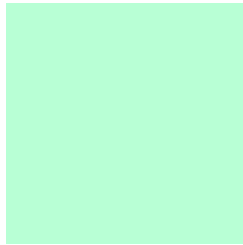
12.3065, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 86.5144, 0.2935, 0.3759 looks on a white background.

Color Contrast Check

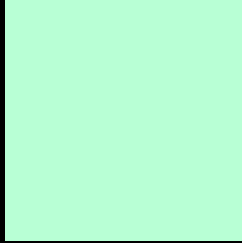
Large Text (above 18pt) WCAG AA × Fail

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 86.5144, 0.2935, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

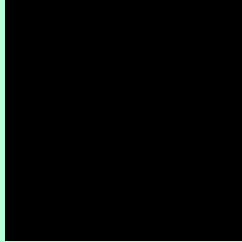
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

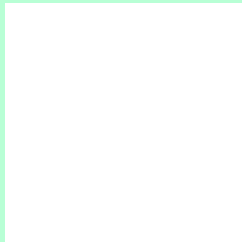
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5144, 0.2935, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 86.5144, 0.2935, 0.3759.

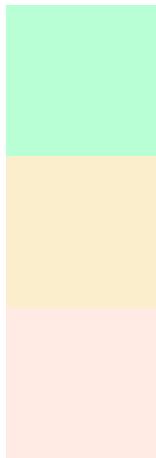


This preview shows how white text looks on a background with the Yxy color 86.5144, 0.2935, 0.3759.

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

86.5144, 0.2935, 0.3759

Protanopia

85.8327, 0.3426, 0.3634

Deuteranopia

85.7071, 0.3309, 0.3350



Tritanopia

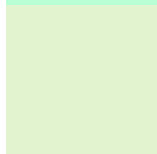
86.3684, 0.2884, 0.3176

Trichromacy



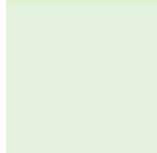
Original Color

86.5144, 0.2935, 0.3759



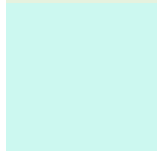
Protanomaly

85.3751, 0.3233, 0.3681



Deuteranomaly

85.4900, 0.3157, 0.3488



Tritanomaly

86.2634, 0.2902, 0.3374

Monochromacy



Original Color

86.5144, 0.2935, 0.3759



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6229, 0.3054, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5144, 0.2935, 0.3759 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(184, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 213)  
}
```

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(184, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 86.5144, 0.2935, 0.3759 is called "border". The border property can be set on classes, ids or directly on the HTML element.

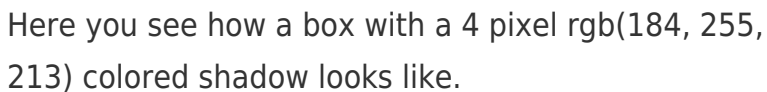
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(184, 255, 213) }
```

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

```
.border{ border-color:rgb(184, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(184, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 255, 213); box-shadow:4px 4px 4px 4px rgb(184, 255, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5144, 0.2935, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 213) }
```

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

```
.background{ background-color: rgb(184,  
255, 213) }
```

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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