

Converting Colors

$Yxy(91.5813, 0.2844, 0.3656)$

Have a look what the booklet for
Yxy(91.5813, 0.2844, 0.3656)
contains.

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Color

Yxy(86.9452, 0.2840, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFE4
RGB	181, 255, 228
RGB Percent	71%, 100%, 89%
CMY	0.2902, 0.0000, 0.1059
CMYK	0.29, 0.00, 0.11, 0.00
HSL	158°, 100%, 85%
HSV	158°, 29%, 100%
XYZ	68.8195, 86.9452, 86.5575
YIQ	229.7960, -35.4370, -24.0850

Conversions

Conversions Part 2

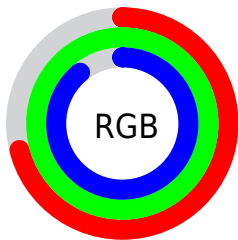
Format	Color
RYB	181, 226, 255
Decimal	11927524
CIELab	94.72, -28.24, 5.62
CIELCh	95, 28.792, 168.754
Yxy	86.9452, 0.2840, 0.3588
Android (android.graphics.Color)	4290117604 (0xFFB5FFE4)
YUV	229.7960, -0.8854, -42.7941
Hunter-Lab	93.2444, -31.4349, 10.2330

Details

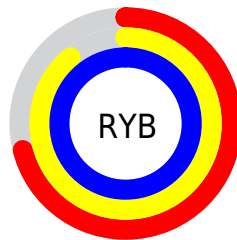
The Yxy color **86.9452, 0.2840, 0.3588** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.8607, 0.3539, 0.3012**, and the grayscale version is **78.9978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **47.8409, 0.2773, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **83.6370, 0.2756, 0.3710**, and if you desaturate by 10%, it is **90.8457, 0.2934, 0.3476**.

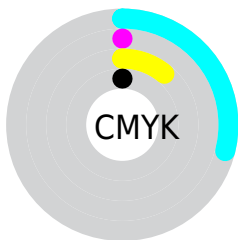
Distribution



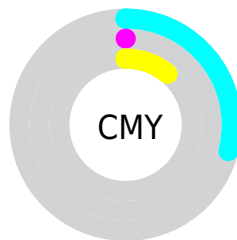
- Red (71%)
- Green (100%)
- Blue (89%)



- Red (71%)
- Yellow (89%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9452, 0.2840, 0.3588 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 86.9452, 0.2840, 0.3588 by changing the saturation by 10% instead.


 86.9452, 0.2840,
0.3588

 86.9452, 0.2840,
0.3588


518.0428, 0.2970,
0.3452

 65.4499, 0.2811,
0.3619


 143.0878, 0.2885,
0.3541

 47.8259, 0.2776,
0.3657


178.5038, 0.2902,
0.3523

 33.6891, 0.2731,
0.3704

219.3288, 0.2917,
0.3507

 22.6548, 0.2674,
0.3766

265.9472, 0.2930,
0.3493

 14.3389, 0.2598,
0.3850

318.7434, 0.2942,
0.3481

 8.3567, 0.2491,
0.3968

378.1018, 0.2952,

 4.3240, 0.2331,

0.3470

0.4150

444.4068, 0.2962,
0.3460

■ 1.8564, 0.2065,
0.4463

■ 0.5220, 0.0000,
0.7481

■ 86.9452, 0.2840,
0.3588

■ 86.9452, 0.2840,
0.3588

■ 83.6370, 0.2756,
0.3710

■ 90.8457, 0.2934,
0.3476

■ 80.8892, 0.2684,
0.3840


■ 95.3669, 0.3034,
0.3373

■ 78.6679, 0.2627,
0.3977


■ 100.0000, 0.3127,
0.3290

■ 76.9350, 0.2590,
0.4119

 75.6472, 0.2572,
0.4262

 74.7531, 0.2575,
0.4405

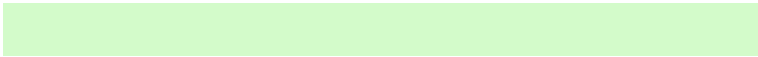
 74.1768, 0.2597,
0.4544

 74.1281, 0.2599,
0.4557

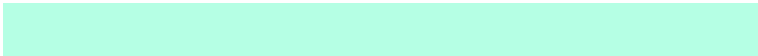
Harmonies

Analogous

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



86.9452, 0.3154, 0.3814



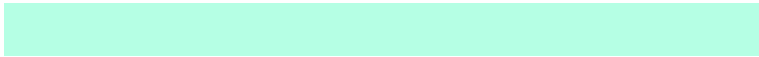
86.9452, 0.2840, 0.3588



86.9452, 0.2611, 0.3277

Triad

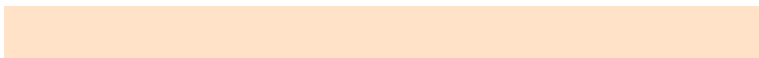
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9452, 0.2840, 0.3588



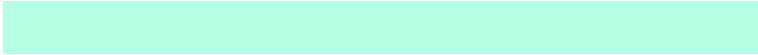
86.9452, 0.2772, 0.2753



86.9452, 0.3779, 0.3537

Complementary

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



86.9452, 0.2840, 0.3588



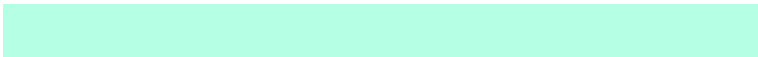
58.8607, 0.3539, 0.3012

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.



86.9452, 0.3668, 0.3267



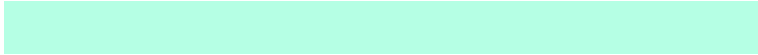
86.9452, 0.2840, 0.3588



86.9452, 0.3073, 0.2831

Square

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



86.9452, 0.2840, 0.3588



86.9452, 0.2574, 0.2806



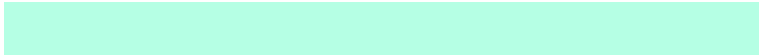
86.9452, 0.3405, 0.3015



86.9452, 0.3704, 0.3762

Rectangle

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



86.9452, 0.2840, 0.3588



86.9452, 0.2531, 0.3077



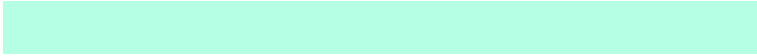
86.9452, 0.3405, 0.3015



86.9452, 0.3763, 0.3449

Sweetspot

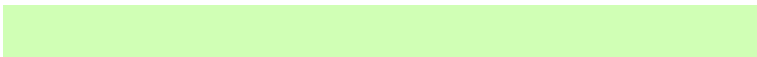
The Sweet Spot groups the original color and five complimentary colors.



86.9454, 0.2840, 0.3588



95.3767, 0.3034, 0.3373



88.2852, 0.3255, 0.4097



20.2652, 0.3019, 0.3387



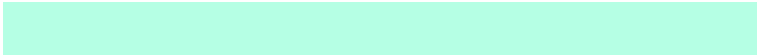
0.0000, 0.0000, 0.0000



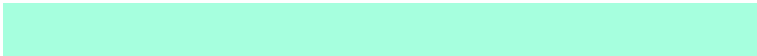
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9454, 0.2840, 0.3588



84.8978, 0.2788, 0.3660



82.4289, 0.2694, 0.3182



20.3624, 0.3029, 0.3378



38.7633, 0.2593, 0.4534



3.7953, 0.2549, 0.4375

Inverse Universe

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



58.8607, 0.3539, 0.3012



52.5329, 0.3657, 0.2953



61.7990, 0.3746, 0.3395



18.0966, 0.3237, 0.3204



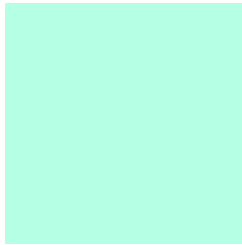
11.5480, 0.5526, 0.2818



1.1445, 0.5214, 0.2646

Previews

White Background



This preview shows how the Yxy color 86.9452, 0.2840, 0.3588 looks on a white background.

Color Contrast Check

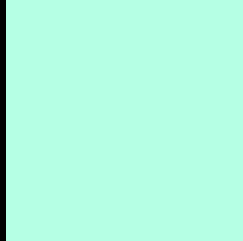
Large Text (above 18pt) WCAG AA × Fail

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 86.9452, 0.2840, 0.3588 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 86.9452, 0.2840, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 86.9452, 0.2840, 0.3588.

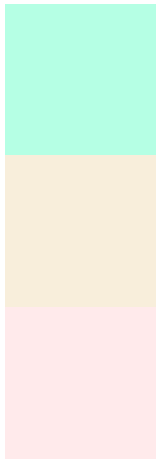


This preview shows how white text looks on a background with the Yxy color 86.9452, 0.2840, 0.3588.

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

86.9452, 0.2840, 0.3588

Protanopia

86.2200, 0.3314, 0.3482

Deuteranopia

86.1038, 0.3264, 0.3281



Tritanopia

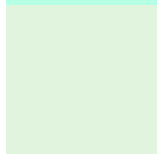
86.3684, 0.2884, 0.3176

Trichromacy



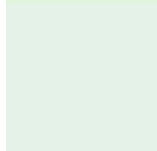
Original Color

86.9452, 0.2840, 0.3588



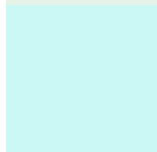
Protanomaly

85.8226, 0.3129, 0.3521



Deuteranomaly

85.8244, 0.3096, 0.3393



Tritanomaly

86.4239, 0.2870, 0.3321

Monochromacy



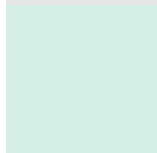
Original Color

86.9452, 0.2840, 0.3588



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.3872, 0.3012, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9452, 0.2840, 0.3588 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(181, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 228)  
}
```

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(181, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.9452, 0.2840, 0.3588 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(181, 255, 228) }
```

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

```
.border{ border-color:rgb(181, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9452, 0.2840, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 228) }
```

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

```
.background{ background-color: rgb(181,  
255, 228) }
```

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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