

Converting Colors

$Y_{xy}(100.0000, 0.2887, 0.3916)$

Have a look what the booklet for
Yxy(100.0000, 0.2887, 0.3916)
contains.

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Color

Yxy(86.0469, 0.2875, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFDA
RGB	178, 255, 218
RGB Percent	70%, 100%, 85%
CMY	0.3021, 0.0000, 0.1450
CMYK	0.30, 0.00, 0.15, 0.00
HSL	151°, 100%, 85%
HSV	151°, 30%, 100%
XYZ	66.7705, 86.0469, 79.4279
YIQ	227.7590, -34.0150, -27.8310

Conversions

Conversions Part 2

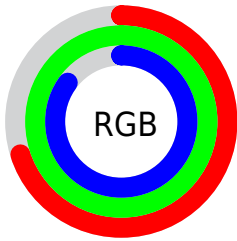
Format	Color
RYB	178, 229, 255
Decimal	11730906
CIELab	94.33, -31.09, 10.19
CIELCh	94, 32.718, 161.855
Yxy	86.0469, 0.2875, 0.3705
Android (android.graphics.Color)	4289920986 (0xFFB2FFDA)
YUV	227.7590, -4.8112, -43.6386
Hunter-Lab	92.7615, -33.8467, 14.1654

Details

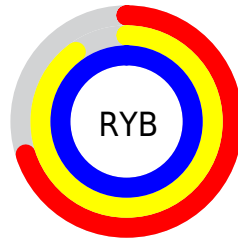
The Yxy color **86.0469, 0.2875, 0.3705** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.9921, 0.3485, 0.2911**, and the grayscale version is **77.4455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **47.2435, 0.2817, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **82.6858, 0.2804, 0.3870**, and if you desaturate by 10%, it is **90.0101, 0.2954, 0.3553**.

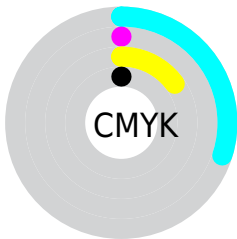
Distribution



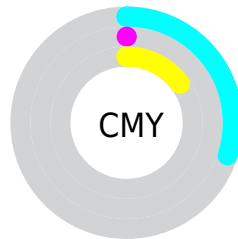
- Red (70%)
- Green (100%)
- Blue (85%)



- Red (70%)
- Yellow (90%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0469, 0.2875, 0.3705 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 86.0469, 0.2875, 0.3705 by changing the saturation by 10% instead.


 86.0469, 0.2875,
0.3705

 86.0469, 0.2875,
0.3705


515.0858, 0.2991,
0.3513

 64.7068, 0.2849,
0.3749


 141.8349, 0.2915,
0.3638

 47.2233, 0.2816,
0.3803


177.0516, 0.2931,
0.3612

 33.2122, 0.2775,
0.3872


217.6626, 0.2944,
0.3590

 22.2891, 0.2722,
0.3962

264.0523, 0.2956,
0.3571

 14.0695, 0.2650,
0.4085

316.6050, 0.2966,
0.3553

 8.1690, 0.2547,
0.4262

375.7053, 0.2975,

 4.2033, 0.2389,

0.3538

0.4539

441.7374, 0.2984,
0.3525

1.7879, 0.2108,
0.5032

0.4796, 0.0000,
1.0000

86.0469, 0.2875,
0.3705

86.0469, 0.2875,
0.3705

82.6858, 0.2804,
0.3870

90.0101, 0.2954,
0.3553

79.9035, 0.2745,
0.4047

94.6138, 0.3038,
0.3416

77.6617, 0.2701,
0.4233

99.8829, 0.3125,
0.3292

75.9213, 0.2675,
0.4424

100.0000, 0.3127,
0.3290

■ 74.6375, 0.2669,
0.4615

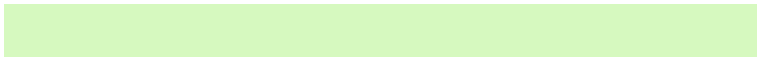
■ 73.7569, 0.2684,
0.4800

■ 73.2015, 0.2715,
0.4972

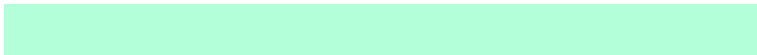
Harmonies

Analogous

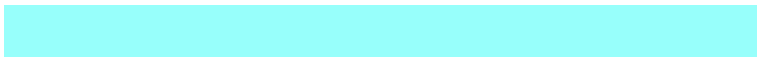
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0469, 0.3241, 0.3926



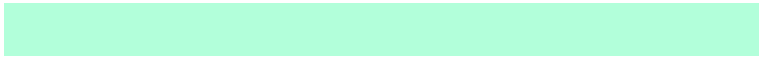
86.0469, 0.2875, 0.3705



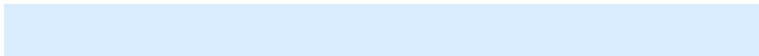
86.0469, 0.2588, 0.3356

Triad

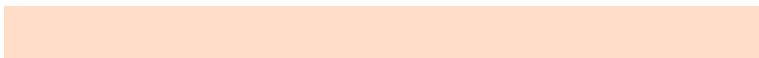
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0469, 0.2875, 0.3705



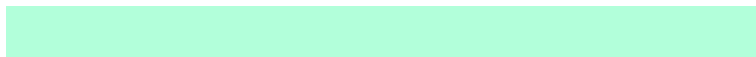
86.0469, 0.2659, 0.2683



86.0469, 0.3861, 0.3497

Complementary

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



86.0469, 0.2875, 0.3705



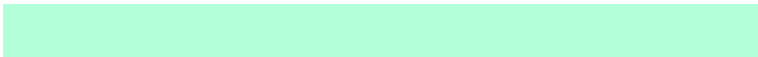
57.9921, 0.3485, 0.2911

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.



86.0469, 0.3689, 0.3192



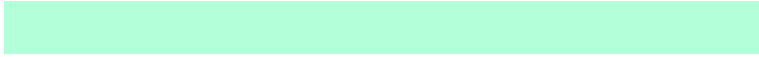
86.0469, 0.2875, 0.3705



86.0469, 0.2979, 0.2739

Square

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



86.0469, 0.2875, 0.3705



86.0469, 0.2470, 0.2774



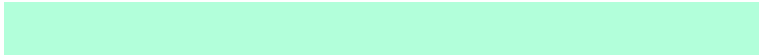
86.0469, 0.3358, 0.2922



86.0469, 0.3822, 0.3773

Rectangle

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



86.0469, 0.2875, 0.3705



86.0469, 0.2474, 0.3119



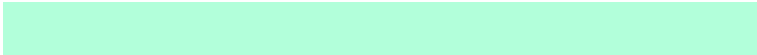
86.0469, 0.3358, 0.2922



86.0469, 0.3826, 0.3395

Sweetspot

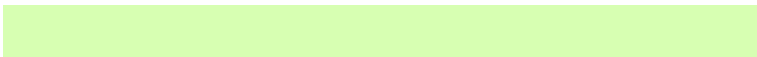
The Sweet Spot groups the original color and five complimentary colors.



86.0440, 0.2875, 0.3705



95.2147, 0.3049, 0.3400



89.2105, 0.3318, 0.4118



20.2253, 0.3036, 0.3419



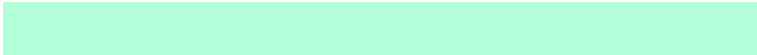
0.0000, 0.0000, 0.0000



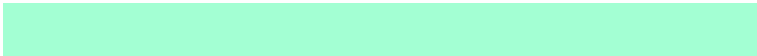
21.4041, 0.3127, 0.3290

Same Dimension

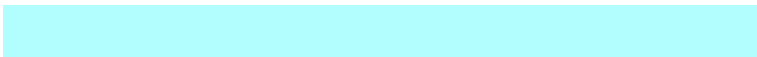
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0440, 0.2875, 0.3705



84.0270, 0.2833, 0.3799



87.3848, 0.2689, 0.3275



20.3259, 0.3044, 0.3406



38.2797, 0.2707, 0.4944



3.7493, 0.2650, 0.4741

Inverse Universe

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



57.9921, 0.3485, 0.2911



52.0440, 0.3579, 0.2836



56.8145, 0.3808, 0.3306



18.1324, 0.3218, 0.3176



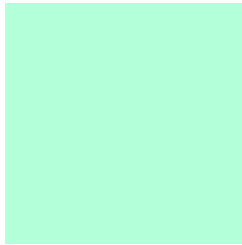
11.8785, 0.5049, 0.2555



1.1785, 0.4784, 0.2409

Previews

White Background



This preview shows how the Yxy color 86.0469, 0.2875, 0.3705 looks on a white background.

Color Contrast Check

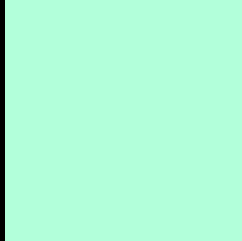
Large Text (above 18pt) WCAG AA × Fail

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 86.0469, 0.2875, 0.3705 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

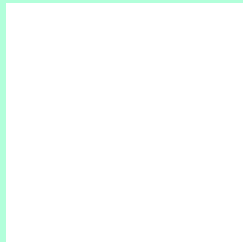
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0469, 0.2875, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 86.0469, 0.2875, 0.3705.

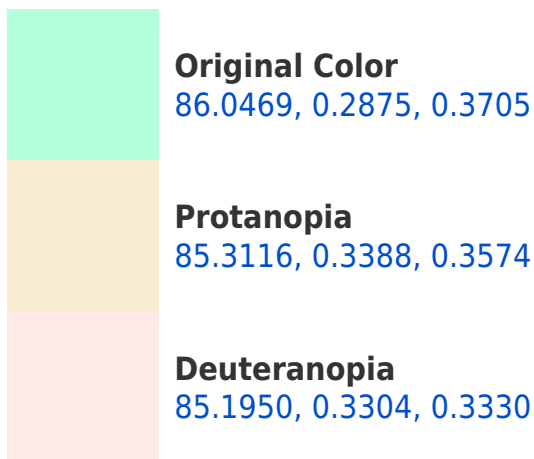


This preview shows how white text looks on a background with the Yxy color 86.0469, 0.2875, 0.3705.

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

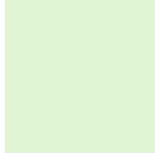
85.9184, 0.2866, 0.3175

Trichromacy



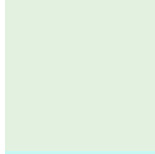
Original Color

86.0469, 0.2875, 0.3705



Protanomaly

85.1428, 0.3183, 0.3629



Deuteranomaly

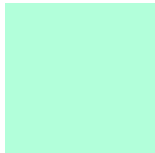
84.6777, 0.3132, 0.3457



Tritanomaly

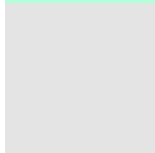
85.8250, 0.2868, 0.3353

Monochromacy



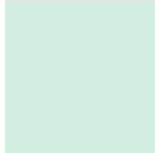
Original Color

86.0469, 0.2875, 0.3705



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2325, 0.3029, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0469, 0.2875, 0.3705 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 86.0469, 0.2875, 0.3705 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, 218) }
```

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

```
.border{ border-color:rgb(178, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0469, 0.2875, 0.3705 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, 218) }
```

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

```
.background{ background-color: rgb(178,  
255, 218) }
```

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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