

# Converting Colors

Yxy(86.1517, 0.2830, 0.3628)

Have a look what the booklet for  
Yxy(86.1517, 0.2830, 0.3628)  
contains.

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# Color

**Yxy(86.1863, 0.2829, 0.3625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0FFE1
RGB	176, 255, 225
RGB Percent	69%, 100%, 88%
CMY	0.3096, 0.0000, 0.1177
CMYK	0.31, 0.00, 0.12, 0.00
HSL	157°, 100%, 85%
HSV	157°, 31%, 100%
XYZ	67.2610, 86.1863, 84.3080
YIQ	227.9590, -37.4540, -26.0780

# Conversions

## Conversions Part 2

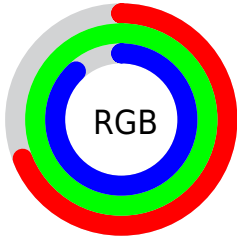
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 225, 255
Decimal	11599841
CIELab	94.39, -30.26, 6.68
CIElCh	94, 30.990, 167.557
Yxy	86.1863, 0.2829, 0.3625
Android (android.graphics.Color)	4289789921 (0xFFB0FFE1)
YUV	227.9590, -1.4588, -45.5680
Hunter-Lab	92.8366, -33.1391, 11.1424

# Details

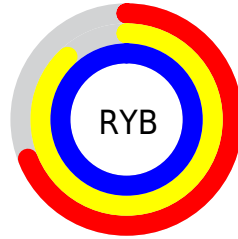
The Yxy color **86.1863, 0.2829, 0.3625** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.7907, 0.3565, 0.2981**, and the grayscale version is **77.5915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **47.3554, 0.2761, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **82.9759, 0.2748, 0.3754**, and if you desaturate by 10%, it is **89.9921, 0.2919, 0.3506**.

# Distribution



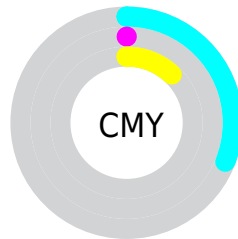
- Red (69%)
- Green (100%)
- Blue (88%)



- Red (69%)
- Yellow (88%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.1863, 0.2829, 0.3625 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 86.1863, 0.2829, 0.3625 by changing the saturation by 10% instead.





 86.1863, 0.2829,  
0.3625

 86.1863, 0.2829,  
0.3625


515.5453, 0.2964,  
0.3471

 64.8220, 0.2799,  
0.3660

 142.0294, 0.2875,  
0.3572

 47.3168, 0.2762,  
0.3703


177.2771, 0.2894,  
0.3551

 33.2862, 0.2715,  
0.3757


217.9214, 0.2909,  
0.3533

 22.3458, 0.2655,  
0.3828

264.3466, 0.2923,  
0.3518

 14.1112, 0.2574,  
0.3924

316.9372, 0.2935,  
0.3504

 8.1980, 0.2461,  
0.4061


376.0776, 0.2946,


 4.2219, 0.2290,


0.3492


0.4272


442.1522, 0.2956,  
0.3481


 1.7985, 0.2002,  
0.4641


 0.4862, 0.0000,  
0.8860


 86.1863, 0.2829,  
0.3625


 86.1863, 0.2829,  
0.3625

 82.9759, 0.2748,  
0.3754


 89.9921, 0.2919,  
0.3506


 80.3186, 0.2681,  
0.3892

 94.4121, 0.3016,  
0.3397

 78.1829, 0.2629,  
0.4037

 99.4773, 0.3117,  
0.3299

 76.5299, 0.2596,  
0.4186

 99.9985, 0.3127,  
0.3290

■ 75.3147, 0.2584,  
0.4336

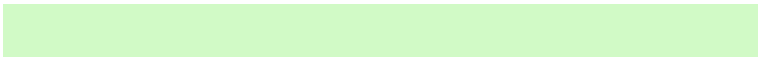
■ 74.4839, 0.2593,  
0.4484

■ 73.9883, 0.2615,  
0.4614

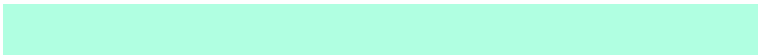
# Harmonies

## Analogous

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



86.1863, 0.3168, 0.3864



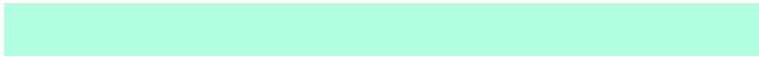
86.1863, 0.2829, 0.3625



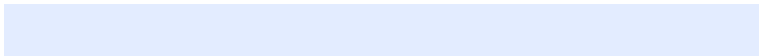
86.1863, 0.2578, 0.3288

# Triad

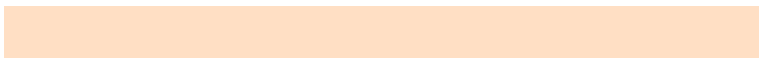
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1863, 0.2829, 0.3625



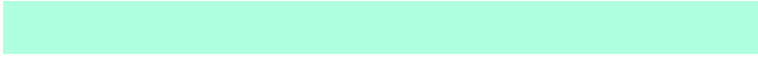
86.1863, 0.2733, 0.2713



86.1863, 0.3831, 0.3542

# Complementary

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



86.1863, 0.2829, 0.3625



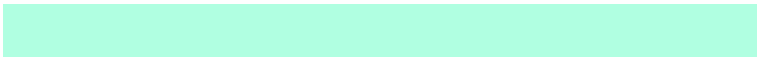
56.7907, 0.3565, 0.2981

# 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.



86.1863, 0.3703, 0.3252



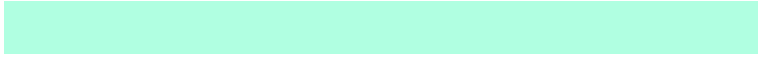
86.1863, 0.2829, 0.3625



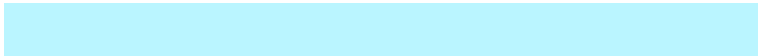
86.1863, 0.3054, 0.2791

# Square

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



86.1863, 0.2829, 0.3625



86.1863, 0.2526, 0.2773



86.1863, 0.3413, 0.2984

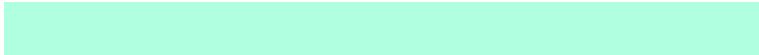


86.1863, 0.3756, 0.3790



# Rectangle

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



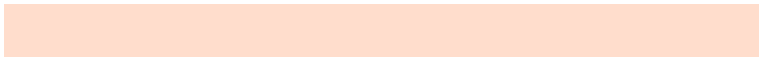
86.1863, 0.2829, 0.3625



86.1863, 0.2489, 0.3070



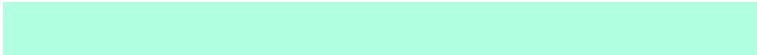
86.1863, 0.3413, 0.2984



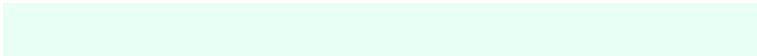
86.1863, 0.3810, 0.3447

# Sweetspot

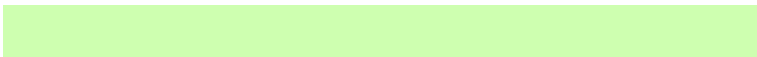
The Sweet Spot groups the original color and five complimentary colors.



86.1898, 0.2829, 0.3625



95.3548, 0.3036, 0.3377



87.8221, 0.3271, 0.4155



20.2598, 0.3021, 0.3392



0.0000, 0.0000, 0.0000

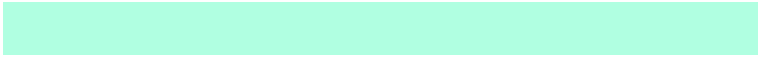


21.4041, 0.3127, 0.3290



# Same Dimension

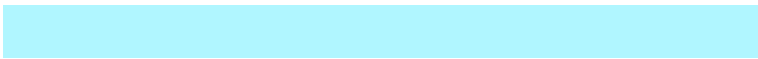
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1898, 0.2829, 0.3625



84.1817, 0.2779, 0.3702



82.2384, 0.2669, 0.3188



20.3575, 0.3031, 0.3382



38.6913, 0.2608, 0.4590



3.7885, 0.2562, 0.4425



# Inverse Universe

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



56.7907, 0.3565, 0.2981



50.6371, 0.3685, 0.2918



59.2043, 0.3805, 0.3389



18.1014, 0.3234, 0.3200



11.5862, 0.5464, 0.2784

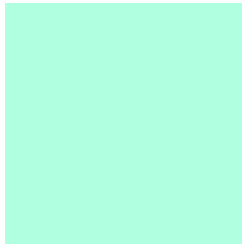


1.1486, 0.5156, 0.2614



# Previews

## White Background



This preview shows how the Yxy color 86.1863, 0.2829, 0.3625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

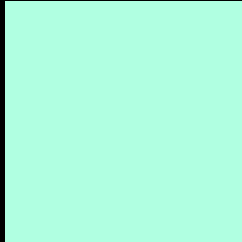
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.1863, 0.2829, 0.3625 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

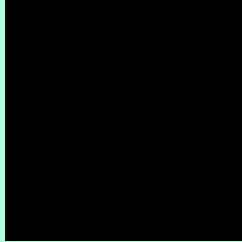
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

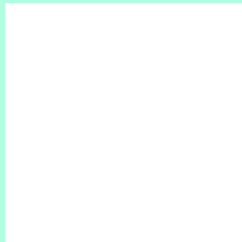
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.1863, 0.2829, 0.3625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.1863, 0.2829, 0.3625.

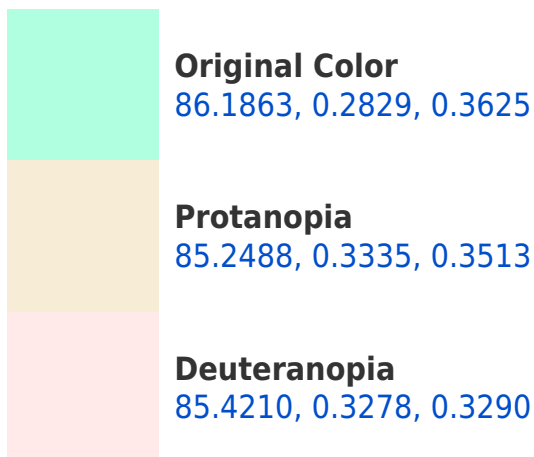


This preview shows how white text looks on a background with the Yxy color 86.1863, 0.2829, 0.3625.

# 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

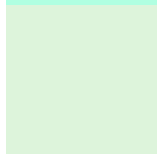
85.9184, 0.2866, 0.3175

# Trichromacy



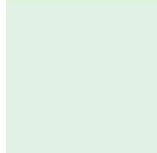
## Original Color

86.1863, 0.2829, 0.3625



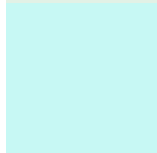
## Protanomaly

85.1880, 0.3128, 0.3555



## Deuteranomaly

84.7925, 0.3096, 0.3404



## Tritanomaly

85.8086, 0.2852, 0.3332

# Monochromacy



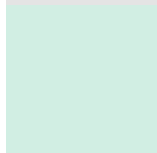
## Original Color

86.1863, 0.2829, 0.3625



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.2504, 0.3005, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.1863, 0.2829, 0.3625 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(176, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 225)  
}
```

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(176, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 86.1863, 0.2829, 0.3625 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(176, 255, 225) }
```

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

```
.border{ border-color:rgb(176, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.1863, 0.2829, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 225) }
```

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

```
.background{ background-color: rgb(176,  
255, 225) }
```

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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