

Converting Colors

$Yxy(86.3687, 0.2828, 0.3611)$

Have a look what the booklet for
Yxy(86.3687, 0.2828, 0.3611)
contains.

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Color

Yxy(86.3581, 0.2829, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFE2
RGB	177, 255, 226
RGB Percent	69%, 100%, 89%
CMY	0.3058, 0.0000, 0.1138
CMYK	0.31, 0.00, 0.11, 0.00
HSL	158°, 100%, 85%
HSV	158°, 31%, 100%
XYZ	67.6189, 86.3581, 85.0435
YIQ	228.3720, -37.1790, -25.5550

Conversions

Conversions Part 2

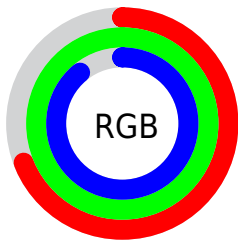
Format	Color
RYB	177, 225, 255
Decimal	11665378
CIELab	94.47, -29.79, 6.27
CIElCh	94, 30.442, 168.112
Yxy	86.3581, 0.2829, 0.3613
Android (android.graphics.Color)	4289855458 (0xFFB1FFE2)
YUV	228.3720, -1.1694, -45.0532
Hunter-Lab	92.9291, -32.7421, 10.7914

Details

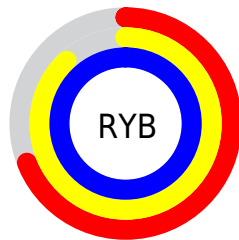
The Yxy color **86.3581, 0.2829, 0.3613** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.1675, 0.3563, 0.2991**, and the grayscale version is **77.8999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.4660, 0.2761, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **83.1322, 0.2747, 0.3739**, and if you desaturate by 10%, it is **90.1738, 0.2921, 0.3497**.

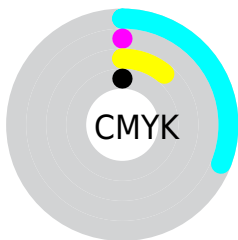
Distribution



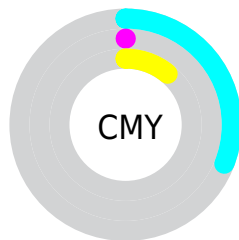
- Red (69%)
- Green (100%)
- Blue (89%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3581, 0.2829, 0.3613 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 86.3581, 0.2829, 0.3613 by changing the saturation by 10% instead.

 86.3581, 0.2829,
0.3613

 86.3581, 0.2829,
0.3613

516.1113, 0.2964,
0.3465

 64.9641, 0.2799,
0.3647


 142.2691, 0.2875,
0.3562

 47.4320, 0.2762,
0.3688


177.5549, 0.2894,
0.3542

 33.3773, 0.2715,
0.3740


218.2402, 0.2909,
0.3525

 22.4156, 0.2655,
0.3808

264.7092, 0.2923,
0.3510

 14.1626, 0.2575,
0.3900

317.3464, 0.2935,
0.3496

 8.2339, 0.2463,
0.4031

376.5363, 0.2946,

 4.2450, 0.2294,

0.3485

0.4232

442.6631, 0.2956,
0.3474

1.8115, 0.2011,
0.4582

0.4943, 0.0000,
0.8320

86.3581, 0.2829,
0.3613

86.3581, 0.2829,
0.3613

83.1322, 0.2747,
0.3739

90.1738, 0.2921,
0.3497

80.4621, 0.2678,
0.3873

94.6064, 0.3019,
0.3391

78.3139, 0.2625,
0.4014

99.6837, 0.3121,
0.3295

76.6487, 0.2591,
0.4160

100.0000, 0.3127,
0.3290

■ 75.4221, 0.2577,
0.4306

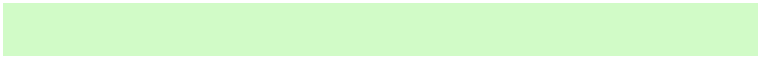
■ 74.5811, 0.2584,
0.4451

■ 74.0624, 0.2607,
0.4584

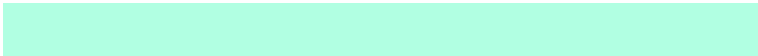
Harmonies

Analogous

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



86.3581, 0.3161, 0.3850



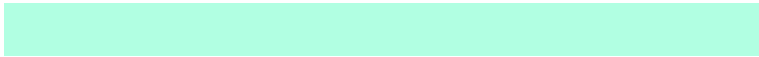
86.3581, 0.2829, 0.3613



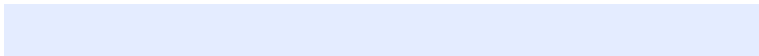
86.3581, 0.2585, 0.3282

Triad

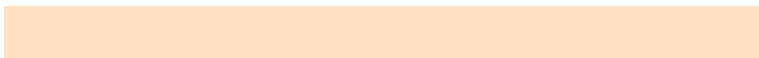
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3581, 0.2829, 0.3613



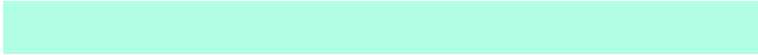
86.3581, 0.2745, 0.2723



86.3581, 0.3818, 0.3544

Complementary

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



86.3581, 0.2829, 0.3613



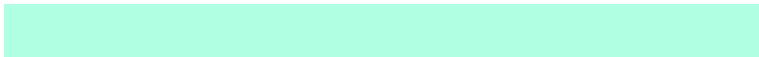
57.1675, 0.3563, 0.2991

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.



86.3581, 0.3697, 0.3258



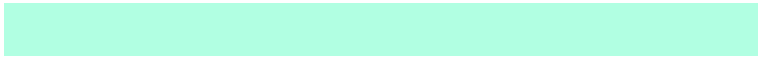
86.3581, 0.2829, 0.3613



86.3581, 0.3062, 0.2802

Square

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



86.3581, 0.2829, 0.3613



86.3581, 0.2539, 0.2780



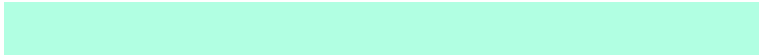
86.3581, 0.3414, 0.2994



86.3581, 0.3741, 0.3785

Rectangle

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



86.3581, 0.2829, 0.3613



86.3581, 0.2499, 0.3069



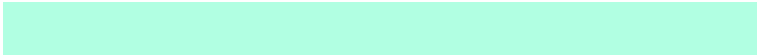
86.3581, 0.3414, 0.2994



86.3581, 0.3799, 0.3450

Sweetspot

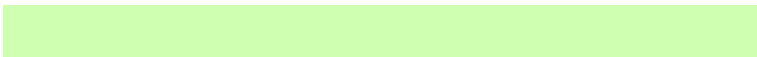
The Sweet Spot groups the original color and five complimentary colors.



86.3589, 0.2829, 0.3613



95.3663, 0.3035, 0.3375



87.9471, 0.3270, 0.4143



20.2627, 0.3020, 0.3389



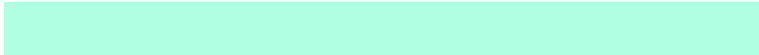
0.0000, 0.0000, 0.0000



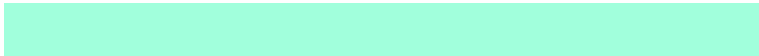
21.4041, 0.3127, 0.3290

Same Dimension

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



86.3589, 0.2829, 0.3613



84.2225, 0.2775, 0.3693



82.4205, 0.2675, 0.3190



20.3601, 0.3030, 0.3380



38.7290, 0.2600, 0.4561



3.7921, 0.2555, 0.4399

Inverse Universe

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



57.1675, 0.3563, 0.2991



50.6019, 0.3693, 0.2926



59.6000, 0.3794, 0.3387



18.0988, 0.3235, 0.3202



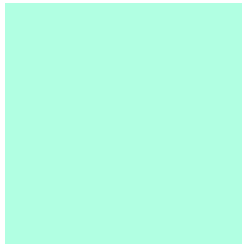
11.5658, 0.5497, 0.2802



1.1464, 0.5187, 0.2631

Previews

White Background



This preview shows how the Yxy color 86.3581, 0.2829, 0.3613 looks on a white background.

Color Contrast Check

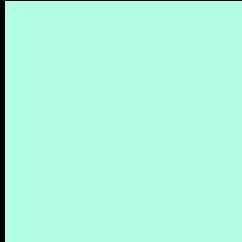
Large Text (above 18pt) WCAG AA × Fail

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 86.3581, 0.2829, 0.3613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

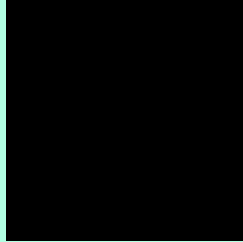
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3581, 0.2829, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 86.3581, 0.2829, 0.3613.

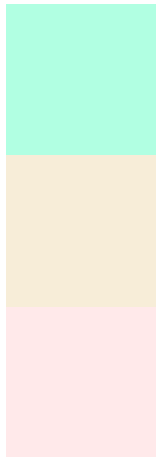


This preview shows how white text looks on a background with the Yxy color 86.3581, 0.2829, 0.3613.

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

86.3581, 0.2829, 0.3613

Protanopia

85.3004, 0.3328, 0.3503

Deuteranopia

85.4783, 0.3271, 0.3281



Tritanopia

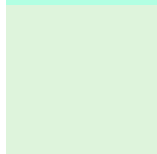
85.9184, 0.2866, 0.3175

Trichromacy



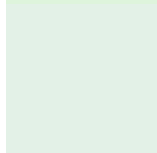
Original Color

86.3581, 0.2829, 0.3613



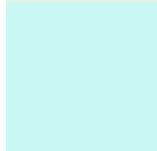
Protanomaly

85.3983, 0.3128, 0.3543



Deuteranomaly

85.0110, 0.3096, 0.3394



Tritanomaly

85.8086, 0.2852, 0.3332

Monochromacy



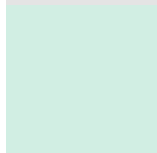
Original Color

86.3581, 0.2829, 0.3613



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 86.3581, 0.2829, 0.3613 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 86.3581, 0.2829, 0.3613 is called "border". The border property can be set on classes, ids or directly on the HTML element.

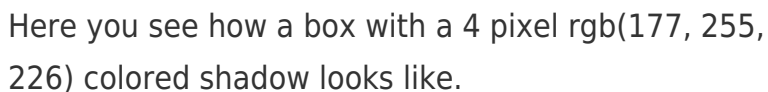
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 226) }
```

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

```
.border{ border-color:rgb(177, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 255, 226); box-shadow:4px 4px 4px 4px rgb(177, 255, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3581, 0.2829, 0.3613 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, 226) }
```

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

```
.background{ background-color: rgb(177,  
255, 226) }
```

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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