

Converting Colors

$Yxy(87.4953, 0.2839, 0.3658)$

Have a look what the booklet for
Yxy(87.4953, 0.2839, 0.3658)
contains.

Yxy(86.2489, 0.2839, 0.3636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.2489, 0.2839, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFE0
RGB	177, 255, 224
RGB Percent	69%, 100%, 88%
CMY	0.3059, 0.0000, 0.1216
CMYK	0.31, 0.00, 0.12, 0.00
HSL	156°, 100%, 85%
HSV	156°, 31%, 100%
XYZ	67.3434, 86.2489, 83.6159
YIQ	228.1440, -36.5370, -26.1770

Conversions

Conversions Part 2

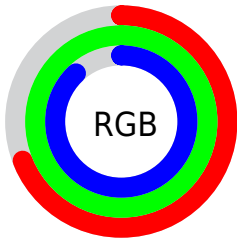
Format	Color
RYB	177, 226, 255
Decimal	11665376
CIELab	94.42, -30.20, 7.23
CIElCh	94, 31.048, 166.539
Yxy	86.2489, 0.2839, 0.3636
Android (android.graphics.Color)	4289855456 (0xFFB1FFE0)
YUV	228.1440, -2.0430, -44.8533
Hunter-Lab	92.8703, -33.0866, 11.6274

Details

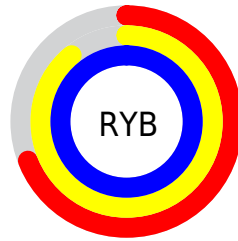
The Yxy color **86.2489, 0.2839, 0.3636** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.2542, 0.3546, 0.2971**, and the grayscale version is **77.7260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.3903, 0.2773, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **82.9944, 0.2760, 0.3771**, and if you desaturate by 10%, it is **90.0931, 0.2928, 0.3511**.

Distribution



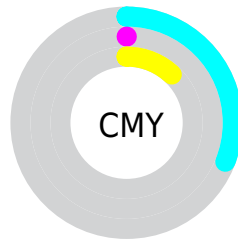
- Red (69%)
- Green (100%)
- Blue (88%)



- Red (69%)
- Yellow (89%)
- 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 86.2489, 0.2839, 0.3636 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 86.2489, 0.2839, 0.3636 by changing the saturation by 10% instead.


 86.2489, 0.2839,
0.3636

 86.2489, 0.2839,
0.3636


515.7516, 0.2970,
0.3477

 64.8738, 0.2810,
0.3672


 142.1168, 0.2884,
0.3581

 47.3588, 0.2774,
0.3717


177.3783, 0.2902,
0.3559

 33.3194, 0.2728,
0.3773


218.0375, 0.2917,
0.3541

 22.3712, 0.2670,
0.3846

264.4787, 0.2930,
0.3525

 14.1299, 0.2591,
0.3946

317.0863, 0.2942,
0.3511

 8.2111, 0.2481,
0.4088

376.2448, 0.2952,

 4.2303, 0.2314,

0.3498

0.4309

442.3384, 0.2962,
0.3487

■ 1.8032, 0.2031,
0.4694

■ 0.4892, 0.0000,
0.9471

■ 86.2489, 0.2839,
0.3636

■ 86.2489, 0.2839,
0.3636

■ 82.9944, 0.2760,
0.3771

■ 90.0931, 0.2928,
0.3511

■ 80.3015, 0.2693,
0.3916

■ 94.5602, 0.3023,
0.3398

■ 78.1342, 0.2642,
0.4067

■ 99.6762, 0.3121,
0.3296

■ 76.4535, 0.2610,
0.4223

■ 100.0000, 0.3127,
0.3290

■ 75.2150, 0.2599,
0.4380

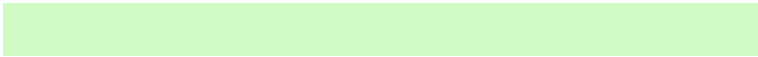
■ 74.3653, 0.2608,
0.4535

■ 73.8417, 0.2632,
0.4677

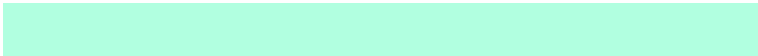
Harmonies

Analogous

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



86.2489, 0.3180, 0.3870



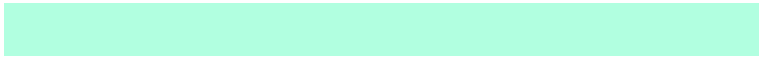
86.2489, 0.2839, 0.3636



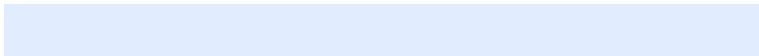
86.2489, 0.2584, 0.3300

Triad

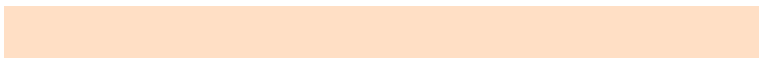
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2489, 0.2839, 0.3636



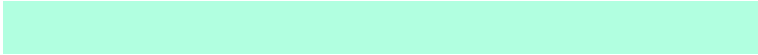
86.2489, 0.2724, 0.2712



86.2489, 0.3831, 0.3533

Complementary

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



86.2489, 0.2839, 0.3636



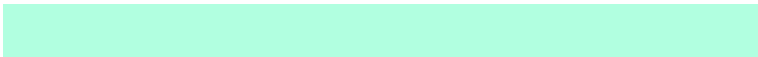
57.2542, 0.3546, 0.2971

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.



86.2489, 0.3697, 0.3242



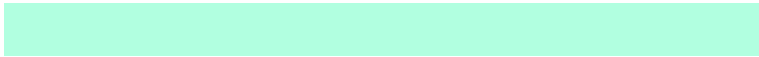
86.2489, 0.2839, 0.3636



86.2489, 0.3042, 0.2786

Square

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



86.2489, 0.2839, 0.3636



86.2489, 0.2521, 0.2777



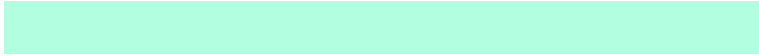
86.2489, 0.3401, 0.2976



86.2489, 0.3763, 0.3784

Rectangle

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



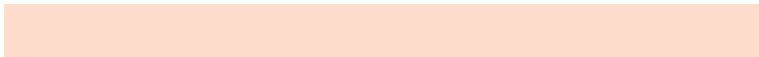
86.2489, 0.2839, 0.3636



86.2489, 0.2491, 0.3080



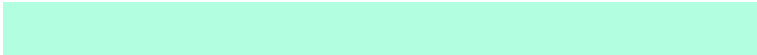
86.2489, 0.3401, 0.2976



86.2489, 0.3808, 0.3437

Sweetspot

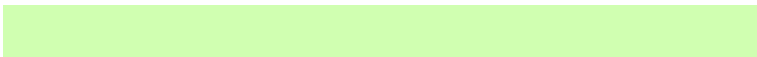
The Sweet Spot groups the original color and five complimentary colors.



86.2476, 0.2839, 0.3636



95.3306, 0.3038, 0.3381



88.1320, 0.3278, 0.4141



20.2538, 0.3024, 0.3396



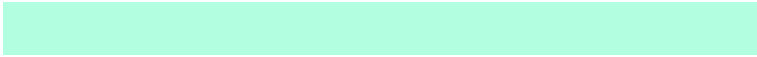
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

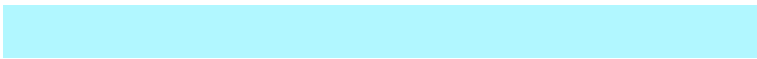
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2476, 0.2839, 0.3636



84.0967, 0.2787, 0.3721



83.2093, 0.2676, 0.3204



20.3520, 0.3033, 0.3386



38.6141, 0.2626, 0.4652



3.7813, 0.2578, 0.4479

Inverse Universe

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



57.2542, 0.3546, 0.2971



50.7116, 0.3670, 0.2902



59.0446, 0.3799, 0.3374



18.1067, 0.3231, 0.3196



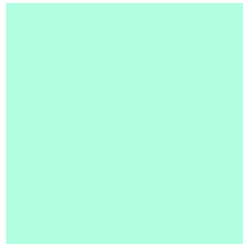
11.6307, 0.5395, 0.2745



1.1533, 0.5092, 0.2579

Previews

White Background



This preview shows how the Yxy color 86.2489, 0.2839, 0.3636 looks on a white background.

Color Contrast Check

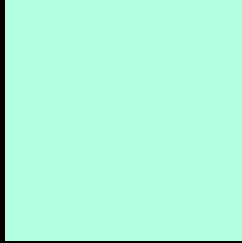
Large Text (above 18pt) WCAG AA × Fail

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 86.2489, 0.2839, 0.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

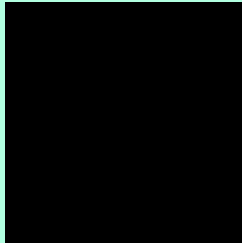
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.2489, 0.2839, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 86.2489, 0.2839, 0.3636.

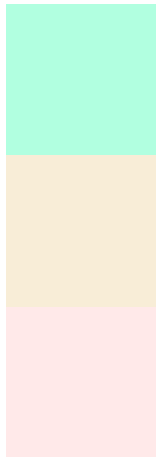


This preview shows how white text looks on a background with the Yxy color 86.2489, 0.2839, 0.3636.

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

86.2489, 0.2839, 0.3636

Protanopia

85.4311, 0.3341, 0.3513

Deuteranopia

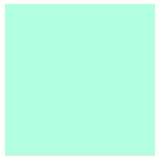
85.4210, 0.3278, 0.3290



Tritanopia

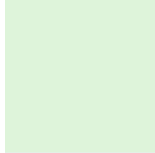
85.9184, 0.2866, 0.3175

Trichromacy



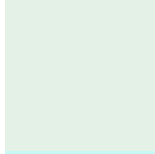
Original Color

86.2489, 0.2839, 0.3636



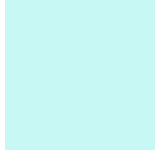
Protanomaly

85.2929, 0.3140, 0.3565



Deuteranomaly

84.9547, 0.3102, 0.3404



Tritanomaly

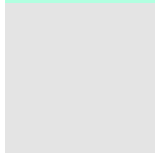
85.8086, 0.2852, 0.3332

Monochromacy



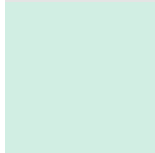
Original Color

86.2489, 0.2839, 0.3636



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 86.2489, 0.2839, 0.3636 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 86.2489, 0.2839, 0.3636 is called "border". The border property can be set on classes, ids or directly on the HTML element.

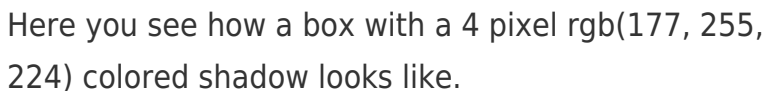
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 224) }
```

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

```
.border{ border-color:rgb(177, 255, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2489, 0.2839, 0.3636 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, 224) }
```

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

```
.background{ background-color: rgb(177,  
255, 224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor