

Converting Colors

$Yxy(85.6036, 0.2804, 0.3631)$

Have a look what the booklet for
Yxy(85.6036, 0.2804, 0.3631)
contains.

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Color

Yxy(85.6142, 0.2802, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFE1
RGB	171, 255, 225
RGB Percent	67%, 100%, 88%
CMY	0.3296, 0.0000, 0.1175
CMYK	0.33, 0.00, 0.12, 0.00
HSL	159°, 100%, 84%
HSV	159°, 33%, 100%
XYZ	66.1403, 85.6142, 84.2923
YIQ	226.4640, -40.4340, -27.1380

Conversions

Conversions Part 2

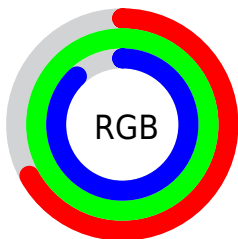
Format	Color
RYB	171, 222, 255
Decimal	11272161
CIELab	94.15, -31.70, 6.27
CIELCh	94, 32.309, 168.816
Yxy	85.6142, 0.2802, 0.3627
Android (android.graphics.Color)	4289462241 (0xFFABFFE1)
YUV	226.4640, -0.7218, -48.6419
Hunter-Lab	92.5279, -34.3295, 10.7568

Details

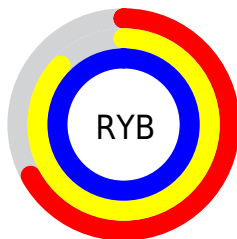
The Yxy color **85.6142, 0.2802, 0.3627** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.5823, 0.3621, 0.2980**, and the grayscale version is **76.4252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.0035, 0.2730, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **82.5356, 0.2721, 0.3749**, and if you desaturate by 10%, it is **89.2644, 0.2893, 0.3513**.

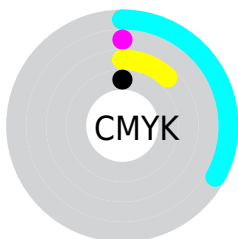
Distribution



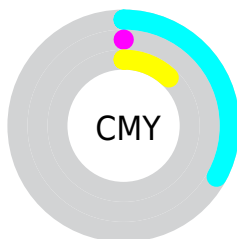
- Red (67%)
- Green (100%)
- Blue (88%)



- Red (67%)
- Yellow (87%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6142, 0.2802, 0.3627 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 85.6142, 0.2802, 0.3627 by changing the saturation by 10% instead.

 85.6142, 0.2802,
0.3627

 85.6142, 0.2802,
0.3627


513.6582, 0.2950,
0.3472

 64.3490, 0.2769,
0.3662


 141.2310, 0.2853,
0.3573

 46.9334, 0.2728,
0.3705

176.3514, 0.2873,
0.3553

 32.9830, 0.2678,
0.3760


216.8589, 0.2890,
0.3535

 22.1134, 0.2612,
0.3831

263.1381, 0.2905,
0.3519

 13.9403, 0.2525,
0.3928

315.5732, 0.2918,
0.3505

 8.0791, 0.2402,
0.4066

374.5486, 0.2930,

 4.1456, 0.2217,

0.3493

0.4279

440.4488, 0.2940,
0.3482

■ 1.7554, 0.1896,
0.4656

■ 0.4591, 0.0000,
0.8814

■ 85.6142, 0.2802,
0.3627

■ 85.6142, 0.2802,
0.3627

■ 82.5356, 0.2721,
0.3749

■ 89.2644, 0.2893,
0.3513

■ 80.0071, 0.2654,
0.3879

■ 93.5265, 0.2992,
0.3410

■ 77.9894, 0.2604,
0.4015

■ 98.4248, 0.3096,
0.3316

■ 76.4427, 0.2574,
0.4154

100.0000, 0.3127,
0.3290

■ 75.3209, 0.2564,
0.4294

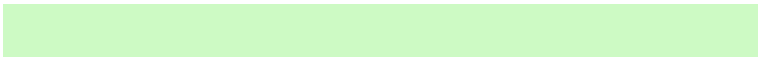
■ 74.5681, 0.2574,
0.4432

■ 74.2026, 0.2591,
0.4527

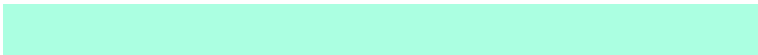
Harmonies

Analogous

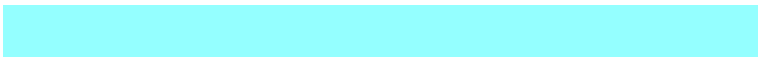
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6142, 0.3154, 0.3885



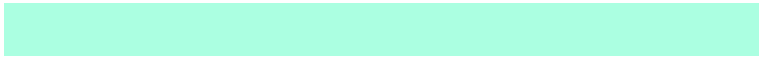
85.6142, 0.2802, 0.3627



85.6142, 0.2547, 0.3272

Triad

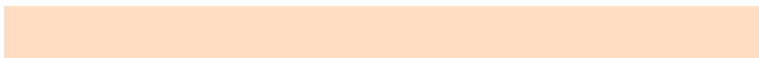
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6142, 0.2802, 0.3627



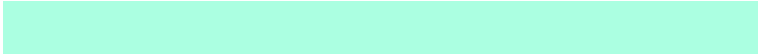
85.6142, 0.2728, 0.2689



85.6142, 0.3863, 0.3564

Complementary

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



85.6142, 0.2802, 0.3627



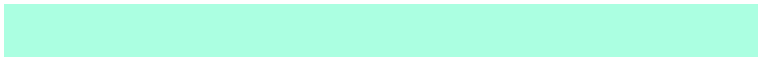
54.5823, 0.3621, 0.2980

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.



85.6142, 0.3739, 0.3262



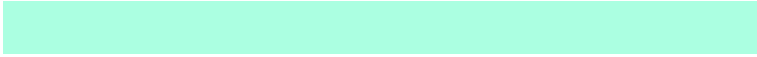
85.6142, 0.2802, 0.3627



85.6142, 0.3066, 0.2777

Square

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



85.6142, 0.2802, 0.3627



85.6142, 0.2507, 0.2745



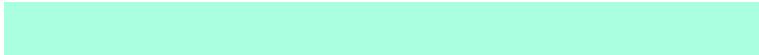
85.6142, 0.3440, 0.2981



85.6142, 0.3776, 0.3819

Rectangle

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



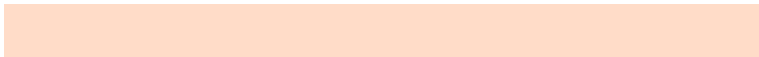
85.6142, 0.2802, 0.3627



85.6142, 0.2459, 0.3046



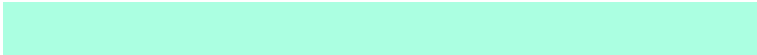
85.6142, 0.3440, 0.2981



85.6142, 0.3845, 0.3465

Sweetspot

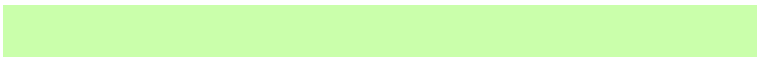
The Sweet Spot groups the original color and five complimentary colors.



85.6106, 0.2802, 0.3627



94.9085, 0.3023, 0.3381



86.9832, 0.3270, 0.4220



20.1723, 0.3008, 0.3394



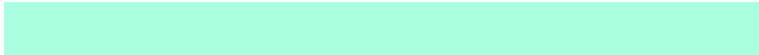
0.0000, 0.0000, 0.0000



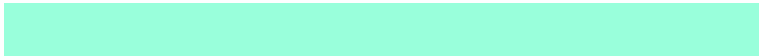
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6106, 0.2802, 0.3627



83.3871, 0.2744, 0.3712



80.4503, 0.2641, 0.3165



20.3650, 0.3028, 0.3376



38.8020, 0.2585, 0.4505



3.7989, 0.2542, 0.4349

Inverse Universe

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



54.5823, 0.3621, 0.2980



47.7329, 0.3774, 0.2912



57.7203, 0.3861, 0.3410



18.0941, 0.3238, 0.3206



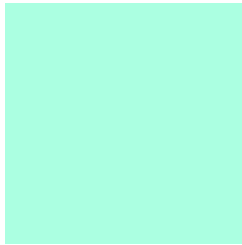
11.5286, 0.5558, 0.2835



1.1424, 0.5244, 0.2662

Previews

White Background



This preview shows how the Yxy color 85.6142, 0.2802, 0.3627 looks on a white background.

Color Contrast Check

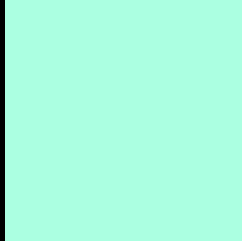
Large Text (above 18pt) WCAG AA × Fail

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 85.6142, 0.2802, 0.3627 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 85.6142, 0.2802, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 85.6142, 0.2802, 0.3627.

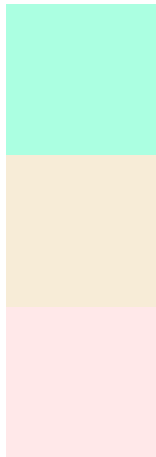


This preview shows how white text looks on a background with the Yxy color 85.6142, 0.2802, 0.3627.

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

85.6142, 0.2802, 0.3627

Protanopia

84.6714, 0.3336, 0.3504

Deuteranopia

84.8564, 0.3279, 0.3281



Tritanopia

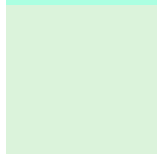
85.4767, 0.2849, 0.3175

Trichromacy



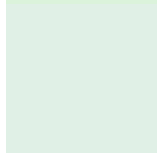
Original Color

85.6142, 0.2802, 0.3627



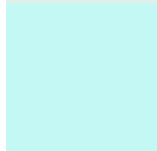
Protanomaly

84.2757, 0.3115, 0.3545



Deuteranomaly

83.8806, 0.3083, 0.3395



Tritanomaly

85.2686, 0.2829, 0.3332

Monochromacy



Original Color

85.6142, 0.2802, 0.3627



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1812, 0.2991, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6142, 0.2802, 0.3627 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(171, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 85.6142, 0.2802, 0.3627 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(171, 255, 225) }
```

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

```
.border{ border-color:rgb(171, 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(171, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 225); box-shadow:4px 4px 4px 4px rgb(171, 255, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6142, 0.2802, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 225) }
```

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

```
.background{ background-color: rgb(171,  
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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