

Converting Colors

$Y_{xy}(85.0121, 0.2781, 0.3640)$

Have a look what the booklet for
Yxy(85.0121, 0.2781, 0.3640)
contains.

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Color

Yxy(85.0088, 0.2782, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFE0
RGB	166, 255, 224
RGB Percent	65%, 100%, 88%
CMY	0.3487, 0.0000, 0.1215
CMYK	0.35, 0.00, 0.12, 0.00
HSL	159°, 100%, 83%
HSV	159°, 35%, 100%
XYZ	64.9532, 85.0088, 83.5146
YIQ	224.8550, -43.0930, -28.5090

Conversions

Conversions Part 2

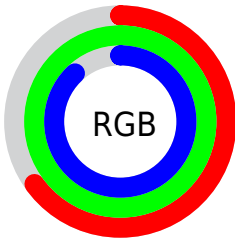
Format	Color
RYB	166, 220, 255
Decimal	10944480
CIELab	93.89, -33.24, 6.38
CIELCh	94, 33.848, 169.128
Yxy	85.0088, 0.2782, 0.3641
Android (android.graphics.Color)	4289134560 (0xFFA6FFE0)
YUV	224.8550, -0.4215, -51.6158
Hunter-Lab	92.2002, -35.6008, 10.8355

Details

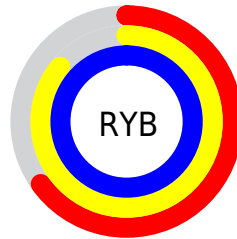
The Yxy color **85.0088, 0.2782, 0.3641** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.5922, 0.3668, 0.2969**, and the grayscale version is **75.2256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **46.5677, 0.2701, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **82.0532, 0.2703, 0.3762**, and if you desaturate by 10%, it is **88.5429, 0.2873, 0.3529**.

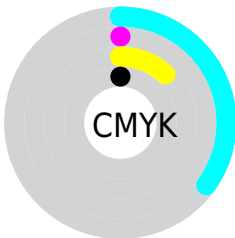
Distribution



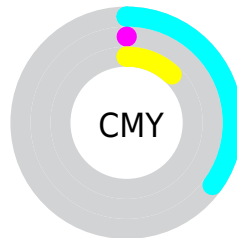
- Red (65%)
- Green (100%)
- Blue (88%)



- Red (65%)
- Yellow (86%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.0088, 0.2782, 0.3641 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 85.0088, 0.2782, 0.3641 by changing the saturation by 10% instead.


 85.0088, 0.2782,
0.3641


 85.0088, 0.2782,
0.3641


511.6572, 0.2939,
0.3479

 63.8487, 0.2747,
0.3678


 140.3855, 0.2836,
0.3585

 46.5281, 0.2704,
0.3723


 175.3708, 0.2857,
0.3563

 32.6628, 0.2650,
0.3780


215.7333, 0.2875,
0.3544

 21.8682, 0.2580,
0.3855

261.8573, 0.2891,
0.3528

 13.7601, 0.2487,
0.3956

314.1274, 0.2905,
0.3514

 7.9540, 0.2355,
0.4101

372.9277, 0.2918,

 4.0655, 0.2158,

0.3501

438.6429, 0.2929,
0.3490

0.4326

1.7103, 0.1799,
0.4735

0.4303, 0.0000,
0.9510

85.0088, 0.2782,
0.3641

85.0088, 0.2782,
0.3641

82.0532, 0.2703,
0.3762

88.5429, 0.2873,
0.3529

79.6328, 0.2638,
0.3890


92.6753, 0.2971,
0.3425


77.7149, 0.2591,
0.4023

97.4373, 0.3075,
0.3332

76.2587, 0.2564,
0.4159

99.9944, 0.3127,
0.3290

 75.2165, 0.2557,
0.4295

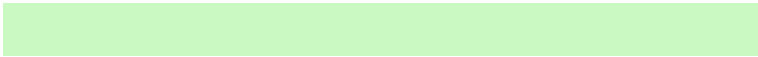
 74.5299, 0.2570,
0.4429

 74.2733, 0.2583,
0.4497

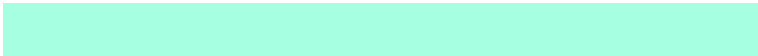
Harmonies

Analogous

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



85.0088, 0.3150, 0.3915



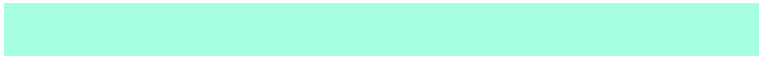
85.0088, 0.2782, 0.3641



85.0088, 0.2517, 0.3266

Triad

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



85.0088, 0.2782, 0.3641



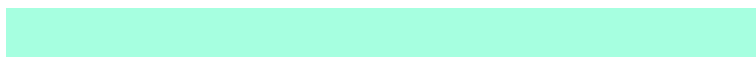
85.0088, 0.2712, 0.2661



85.0088, 0.3901, 0.3578

Complementary

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



85.0088, 0.2782, 0.3641



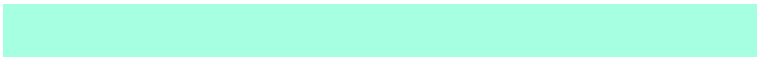
52.5922, 0.3668, 0.2969

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.



85.0088, 0.3773, 0.3263



85.0088, 0.2782, 0.3641



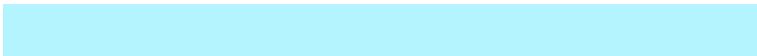
85.0088, 0.3066, 0.2755

Square

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



85.0088, 0.2782, 0.3641



85.0088, 0.2479, 0.2717



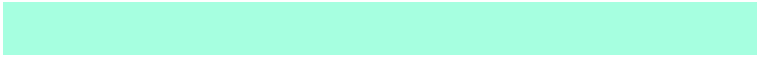
85.0088, 0.3459, 0.2969



85.0088, 0.3806, 0.3846

Rectangle

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



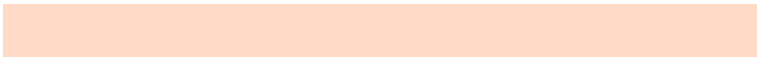
85.0088, 0.2782, 0.3641



85.0088, 0.2426, 0.3029



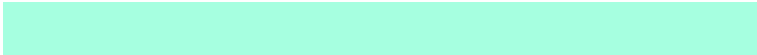
85.0088, 0.3459, 0.2969



85.0088, 0.3883, 0.3475

Sweetspot

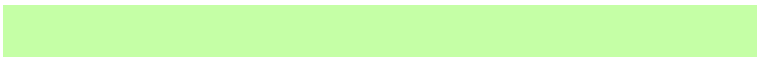
The Sweet Spot groups the original color and five complimentary colors.



85.0123, 0.2782, 0.3641



94.9213, 0.3022, 0.3379



86.1673, 0.3267, 0.4283



20.1755, 0.3007, 0.3392



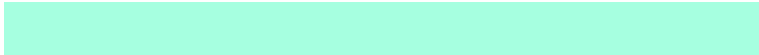
0.0000, 0.0000, 0.0000



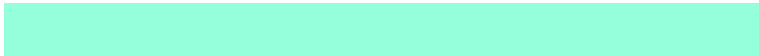
21.4041, 0.3127, 0.3290

Same Dimension

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



85.0123, 0.2782, 0.3641



82.8522, 0.2724, 0.3726



78.6332, 0.2613, 0.3140



20.3676, 0.3027, 0.3374



38.8417, 0.2576, 0.4475



3.8026, 0.2534, 0.4323

Inverse Universe

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



52.5922, 0.3668, 0.2969



45.9202, 0.3830, 0.2903



56.4205, 0.3914, 0.3433



18.0916, 0.3239, 0.3207



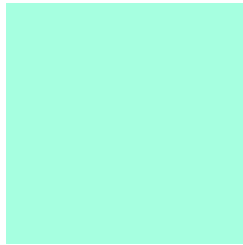
11.5096, 0.5589, 0.2853



1.1404, 0.5274, 0.2679

Previews

White Background



This preview shows how the Yxy color 85.0088, 0.2782, 0.3641 looks on a white background.

Color Contrast Check

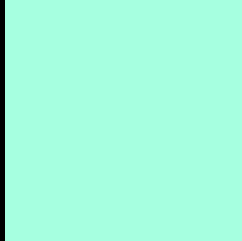
Large Text (above 18pt) WCAG AA × Fail

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 85.0088, 0.2782, 0.3641 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

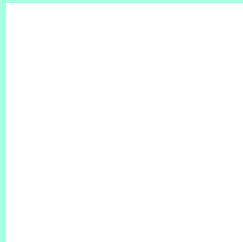
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0088, 0.2782, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 85.0088, 0.2782, 0.3641.

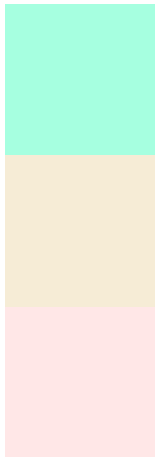


This preview shows how white text looks on a background with the Yxy color 85.0088, 0.2782, 0.3641.

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

85.0088, 0.2782, 0.3641

Protanopia

84.4388, 0.3335, 0.3514

Deuteranopia

84.1813, 0.3293, 0.3291



Tritanopia

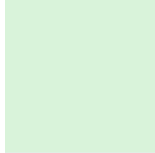
84.3003, 0.2825, 0.3163

Trichromacy



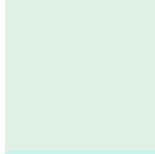
Original Color

85.0088, 0.2782, 0.3641



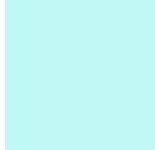
Protanomaly

83.9149, 0.3108, 0.3557



Deuteranomaly

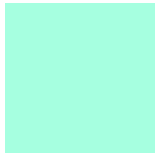
83.6096, 0.3089, 0.3416



Tritanomaly

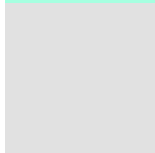
84.1295, 0.2806, 0.3322

Monochromacy



Original Color

85.0088, 0.2782, 0.3641



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2645, 0.2984, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0088, 0.2782, 0.3641 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(166, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 85.0088, 0.2782, 0.3641 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(166, 255, 224) }
```

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

```
.border{ border-color:rgb(166, 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(166, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0088, 0.2782, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 224) }
```

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

```
.background{ background-color: rgb(166,  
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](#).

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