

Converting Colors

$Yxy(85.7009, 0.2801, 0.3618)$

Have a look what the booklet for
Yxy(85.7009, 0.2801, 0.3618)
contains.

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Color

Yxy(85.6689, 0.2797, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFE2
RGB	171, 255, 226
RGB Percent	67%, 100%, 89%
CMY	0.3298, 0.0000, 0.1138
CMYK	0.33, 0.00, 0.11, 0.00
HSL	159°, 100%, 84%
HSV	159°, 33%, 100%
XYZ	66.2655, 85.6689, 84.9818
YIQ	226.5780, -40.7550, -26.8270

Conversions

Conversions Part 2

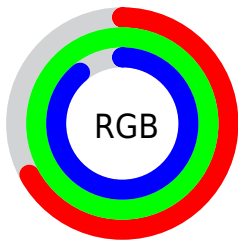
Format	Color
RYB	171, 222, 255
Decimal	11272162
CIELab	94.17, -31.52, 5.81
CIElCh	94, 32.048, 169.559
Yxy	85.6689, 0.2797, 0.3616
Android (android.graphics.Color)	4289462242 (0xFFABFFE2)
YUV	226.5780, -0.2850, -48.7419
Hunter-Lab	92.5575, -34.1806, 10.3530

Details

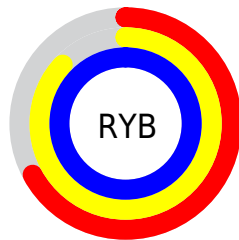
The Yxy color **85.6689, 0.2797, 0.3616** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.5194, 0.3630, 0.2990**, and the grayscale version is **76.4957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.0414, 0.2724, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **82.5966, 0.2715, 0.3734**, and if you desaturate by 10%, it is **89.2968, 0.2890, 0.3506**.

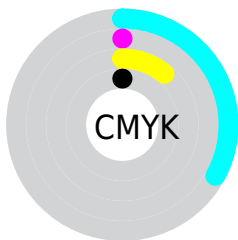
Distribution



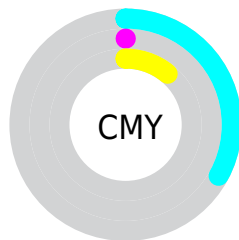
- Red (67%)
- Green (100%)
- Blue (89%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6689, 0.2797, 0.3616 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 85.6689, 0.2797, 0.3616 by changing the saturation by 10% instead.

 85.6689, 0.2797,
0.3616

 85.6689, 0.2797,
0.3616


513.8388, 0.2947,
0.3466

 64.3942, 0.2764,
0.3650


 141.3074, 0.2848,
0.3564

 46.9700, 0.2723,
0.3692


176.4399, 0.2868,
0.3544

 33.0120, 0.2671,
0.3744

216.9606, 0.2886,
0.3527

 22.1356, 0.2605,
0.3813

263.2537, 0.2901,
0.3512

 13.9566, 0.2517,
0.3906

315.7037, 0.2915,
0.3498

 8.0905, 0.2393,
0.4038

374.6949, 0.2926,

 4.1529, 0.2207,

0.3486

0.4242

440.6118, 0.2937,
0.3476

■ 1.7595, 0.1887,
0.4601

■ 0.4617, 0.0000,
0.8268

■ 85.6689, 0.2797,
0.3616

■ 85.6689, 0.2797,
0.3616

■ 82.5966, 0.2715,
0.3734

■ 89.2968, 0.2890,
0.3506

■ 80.0799, 0.2647,
0.3859

■ 93.5421, 0.2990,
0.3406

■ 78.0724, 0.2596,
0.3990

■ 98.4217, 0.3095,
0.3315

■ 76.5342, 0.2565,
0.4125

100.0000, 0.3127,
0.3290

■ 75.4195, 0.2554,
0.4260

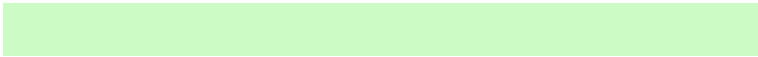
■ 74.6722, 0.2563,
0.4393

■ 74.3103, 0.2579,
0.4485

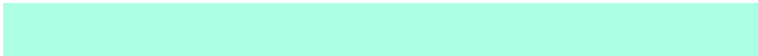
Harmonies

Analogous

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



85.6689, 0.3144, 0.3875



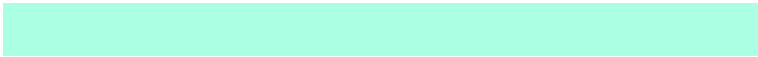
85.6689, 0.2797, 0.3616



85.6689, 0.2547, 0.3263

Triad

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



85.6689, 0.2797, 0.3616



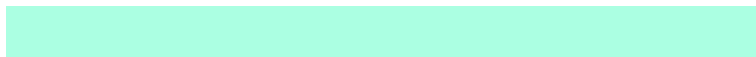
85.6689, 0.2738, 0.2694



85.6689, 0.3858, 0.3569

Complementary

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



85.6689, 0.2797, 0.3616



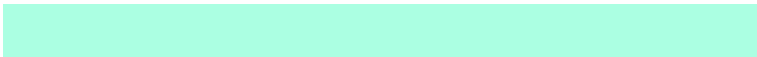
54.5194, 0.3630, 0.2990

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.



85.6689, 0.3739, 0.3270



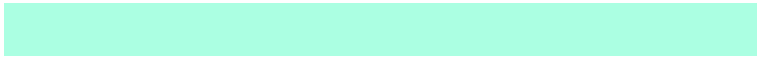
85.6689, 0.2797, 0.3616



85.6689, 0.3076, 0.2784

Square

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



85.6689, 0.2797, 0.3616



85.6689, 0.2515, 0.2746



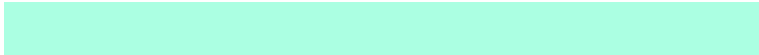
85.6689, 0.3446, 0.2990



85.6689, 0.3766, 0.3820

Rectangle

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



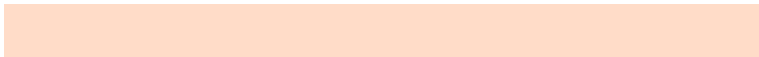
85.6689, 0.2797, 0.3616



85.6689, 0.2462, 0.3041



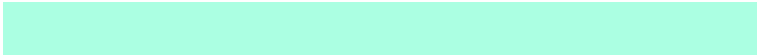
85.6689, 0.3446, 0.2990



85.6689, 0.3841, 0.3471

Sweetspot

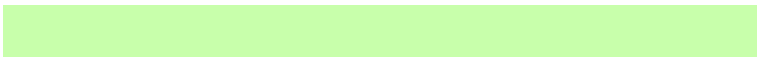
The Sweet Spot groups the original color and five complimentary colors.



85.6582, 0.2797, 0.3616



94.9265, 0.3021, 0.3378



86.7836, 0.3261, 0.4223



20.1767, 0.3006, 0.3391



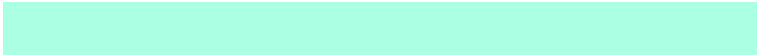
0.0000, 0.0000, 0.0000



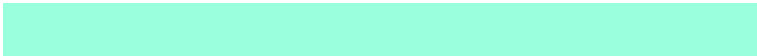
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6582, 0.2797, 0.3616



83.4492, 0.2738, 0.3698



79.6029, 0.2639, 0.3149



20.3687, 0.3026, 0.3373



38.8580, 0.2573, 0.4463



3.8041, 0.2531, 0.4313

Inverse Universe

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



54.5194, 0.3630, 0.2990



47.6818, 0.3786, 0.2924



58.2811, 0.3856, 0.3425



18.0905, 0.3240, 0.3208



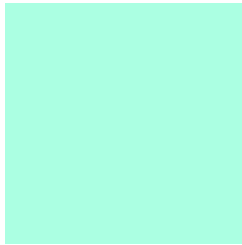
11.5021, 0.5602, 0.2860



1.1395, 0.5286, 0.2686

Previews

White Background



This preview shows how the Yxy color 85.6689, 0.2797, 0.3616 looks on a white background.

Color Contrast Check

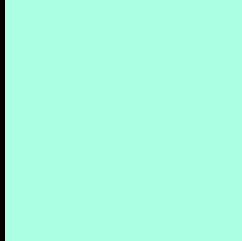
Large Text (above 18pt) WCAG AA × Fail

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 85.6689, 0.2797, 0.3616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

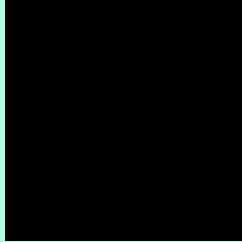
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

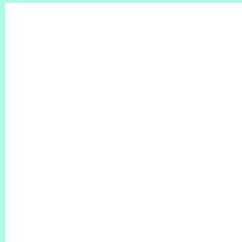
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6689, 0.2797, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 85.6689, 0.2797, 0.3616.

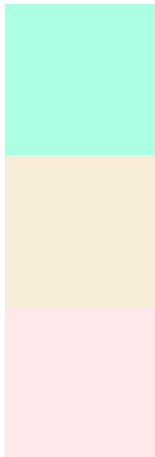


This preview shows how white text looks on a background with the Yxy color 85.6689, 0.2797, 0.3616.

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

85.6689, 0.2797, 0.3616

Protanopia

84.5416, 0.3322, 0.3494

Deuteranopia

84.8564, 0.3279, 0.3281



Tritanopia

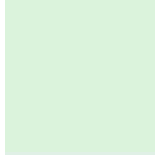
85.4767, 0.2849, 0.3175

Trichromacy



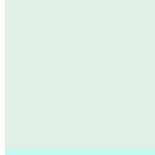
Original Color

85.6689, 0.2797, 0.3616



Protanomaly

84.3286, 0.3109, 0.3534



Deuteranomaly

83.8806, 0.3083, 0.3395



Tritanomaly

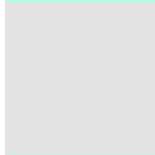
85.2686, 0.2829, 0.3332

Monochromacy



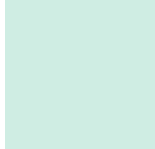
Original Color

85.6689, 0.2797, 0.3616



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3798, 0.2992, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6689, 0.2797, 0.3616 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 85.6689, 0.2797, 0.3616 is called "border". The border property can be set on classes, ids or directly on the HTML element.

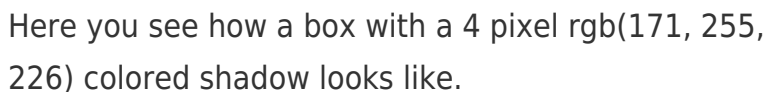
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 255, 226) }
```

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

```
.border{ border-color:rgb(171, 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(171, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 226); box-shadow:4px 4px 4px 4px rgb(171, 255, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6689, 0.2797, 0.3616 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, 226) }
```

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

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