

Converting Colors

$Yxy(85.9394, 0.2825, 0.3636)$

Have a look what the booklet for
Yxy(85.9394, 0.2825, 0.3636)
contains.

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Color

Yxy(85.9005, 0.2823, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFE0
RGB	174, 255, 224
RGB Percent	68%, 100%, 88%
CMY	0.3176, 0.0000, 0.1214
CMYK	0.32, 0.00, 0.12, 0.00
HSL	157°, 100%, 84%
HSV	157°, 32%, 100%
XYZ	66.6750, 85.9005, 83.6095
YIQ	227.2470, -38.3250, -26.8130

Conversions

Conversions Part 2

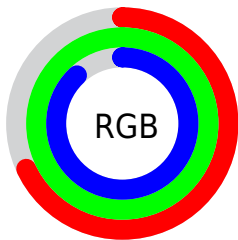
Format	Color
RYB	174, 224, 255
Decimal	11468768
CIELab	94.27, -31.03, 6.98
CIELCh	94, 31.807, 167.332
Yxy	85.9005, 0.2823, 0.3637
Android (android.graphics.Color)	4289658848 (0xFFAEFFE0)
YUV	227.2470, -1.6008, -46.6976
Hunter-Lab	92.6825, -33.7830, 11.3919

Details

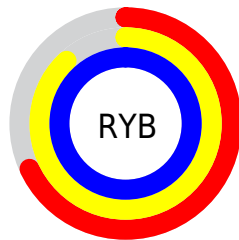
The Yxy color **85.9005, 0.2823, 0.3637** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.9434, 0.3579, 0.2971**, and the grayscale version is **77.0426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **47.1747, 0.2754, 0.3716** is the 20% darker color. If you saturate the color by 10%, you get **82.7332, 0.2743, 0.3768**, and if you desaturate by 10%, it is **89.6603, 0.2913, 0.3516**.

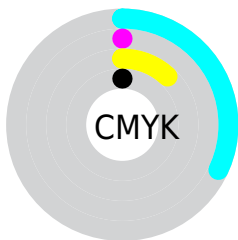
Distribution



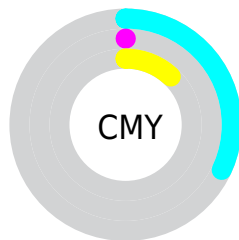
- Red (68%)
- Green (100%)
- Blue (88%)



- Red (68%)
- Yellow (88%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9005, 0.2823, 0.3637 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 85.9005, 0.2823, 0.3637 by changing the saturation by 10% instead.


 85.9005, 0.2823,
0.3637

 85.9005, 0.2823,
0.3637

514.6031, 0.2961,
0.3477

 64.5857, 0.2792,
0.3673


 141.6306, 0.2871,
0.3582

 47.1252, 0.2754,
0.3718

176.8147, 0.2889,
0.3560

 33.1347, 0.2706,
0.3775


217.3908, 0.2905,
0.3542

 22.2296, 0.2645,
0.3848

263.7431, 0.2919,
0.3525

 14.0257, 0.2562,
0.3948

316.2561, 0.2932,
0.3511

 8.1386, 0.2446,
0.4091

375.3141, 0.2943,

 4.1837, 0.2270,

0.3499

0.4312

441.3017, 0.2952,
0.3487

■ 1.7769, 0.1969,
0.4702

■ 0.4727, 0.0000,
0.9459

■ 85.9005, 0.2823,
0.3637

■ 85.9005, 0.2823,
0.3637

■ 82.7332, 0.2743,
0.3768

■ 89.6603, 0.2913,
0.3516

■ 80.1171, 0.2677,
0.3907


■ 94.0328, 0.3009,
0.3406


■ 78.0199, 0.2627,
0.4053


■ 99.0486, 0.3109,
0.3306

■ 76.4023, 0.2596,
0.4203

100.0000, 0.3127,
0.3290

 75.2190, 0.2586,
0.4354

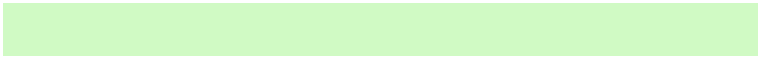
 74.4156, 0.2596,
0.4502

 73.9714, 0.2617,
0.4622

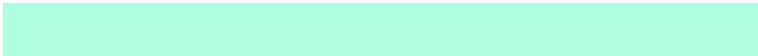
Harmonies

Analogous

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



85.9005, 0.3172, 0.3882



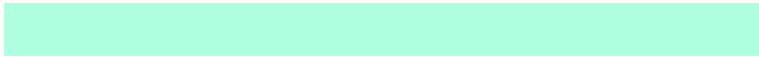
85.9005, 0.2823, 0.3637



85.9005, 0.2565, 0.3290

Triad

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



85.9005, 0.2823, 0.3637



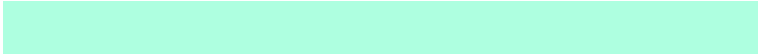
85.9005, 0.2721, 0.2698



85.9005, 0.3850, 0.3546

Complementary

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



85.9005, 0.2823, 0.3637



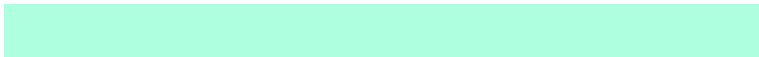
55.9434, 0.3579, 0.2971

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.



85.9005, 0.3718, 0.3248



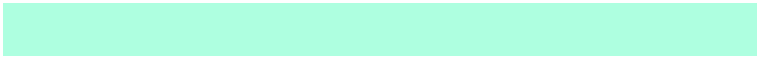
85.9005, 0.2823, 0.3637



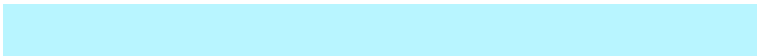
85.9005, 0.3049, 0.2777

Square

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



85.9005, 0.2823, 0.3637



85.9005, 0.2510, 0.2760



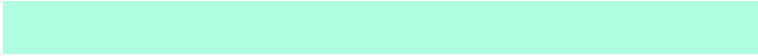
85.9005, 0.3418, 0.2974



85.9005, 0.3774, 0.3801

Rectangle

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



85.9005, 0.2823, 0.3637



85.9005, 0.2473, 0.3066



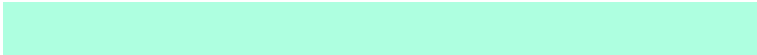
85.9005, 0.3418, 0.2974



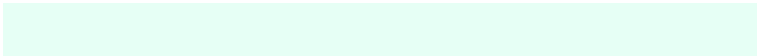
85.9005, 0.3829, 0.3448

Sweetspot

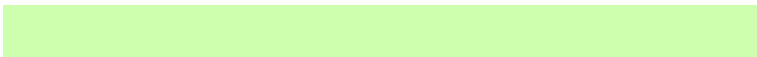
The Sweet Spot groups the original color and five complimentary colors.



85.9037, 0.2823, 0.3637



94.8682, 0.3026, 0.3388



87.5637, 0.3274, 0.4180



20.1626, 0.3012, 0.3402



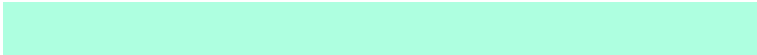
0.0000, 0.0000, 0.0000



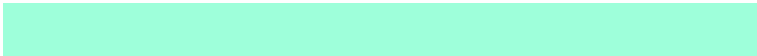
21.4041, 0.3127, 0.3290

Same Dimension

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



85.9037, 0.2823, 0.3637



83.8585, 0.2772, 0.3718



81.8590, 0.2659, 0.3185



20.3568, 0.3031, 0.3382



38.6817, 0.2611, 0.4598



3.7876, 0.2564, 0.4431

Inverse Universe

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



55.9434, 0.3579, 0.2971



49.6948, 0.3704, 0.2906



58.3737, 0.3829, 0.3391



18.1020, 0.3234, 0.3199



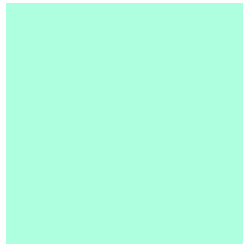
11.5915, 0.5456, 0.2779



1.1491, 0.5148, 0.2610

Previews

White Background



This preview shows how the Yxy color 85.9005, 0.2823, 0.3637 looks on a white background.

Color Contrast Check

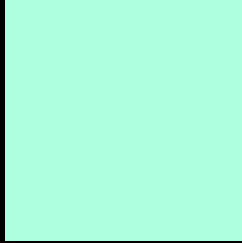
Large Text (above 18pt) WCAG AA × Fail

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 85.9005, 0.2823, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

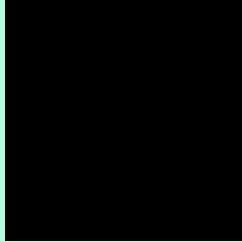
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.9005, 0.2823, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 85.9005, 0.2823, 0.3637.

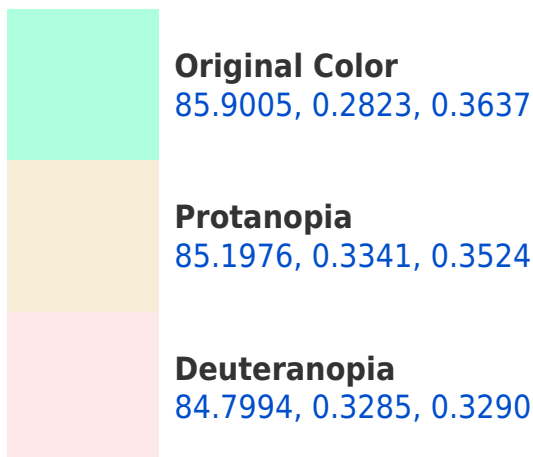


This preview shows how white text looks on a background with the Yxy color 85.9005, 0.2823, 0.3637.

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





Tritanopia

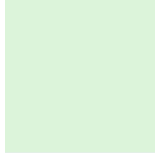
85.6230, 0.2854, 0.3175

Trichromacy



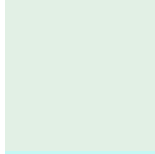
Original Color

85.9005, 0.2823, 0.3637



Protanomaly

84.9790, 0.3127, 0.3566



Deuteranomaly

84.1461, 0.3102, 0.3405



Tritanomaly

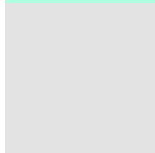
85.5368, 0.2841, 0.3332

Monochromacy



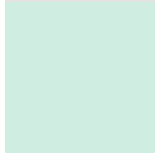
Original Color

85.9005, 0.2823, 0.3637



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4693, 0.3004, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9005, 0.2823, 0.3637 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(174, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 85.9005, 0.2823, 0.3637 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(174, 255, 224) }
```

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

```
.border{ border-color:rgb(174, 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(174, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9005, 0.2823, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 224) }
```

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

```
.background{ background-color: rgb(174,  
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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