

Converting Colors

$Yxy(85.5646, 0.2823, 0.3662)$

Have a look what the booklet for
Yxy(85.5646, 0.2823, 0.3662)
contains.

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Color

Yxy(85.5646, 0.2823, 0.3662)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFDE
RGB	172, 255, 222
RGB Percent	67%, 100%, 87%
CMY	0.3254, 0.0000, 0.1295
CMYK	0.33, 0.00, 0.13, 0.00
HSL	156°, 100%, 84%
HSV	156°, 33%, 100%
XYZ	65.9609, 85.5646, 82.1299
YIQ	226.4210, -38.8750, -27.8590

Conversions

Conversions Part 2

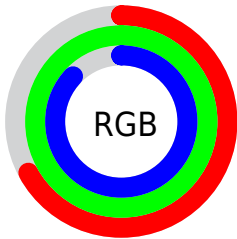
Format	Color
RYB	172, 224, 255
Decimal	11337694
CIELab	94.13, -32.00, 7.81
CIElCh	94, 32.944, 166.280
Yxy	85.5646, 0.2823, 0.3662
Android (android.graphics.Color)	4289527774 (0xFFACFFDE)
YUV	226.4210, -2.1796, -47.7272
Hunter-Lab	92.5011, -34.5918, 12.1084

Details

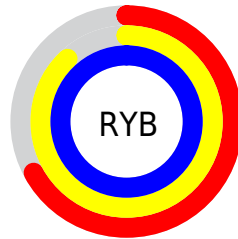
The Yxy color **85.5646, 0.2823, 0.3662** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.1890, 0.3582, 0.2949**, and the grayscale version is **76.4166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **46.9601, 0.2754, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **82.4250, 0.2746, 0.3799**, and if you desaturate by 10%, it is **89.2962, 0.2910, 0.3535**.

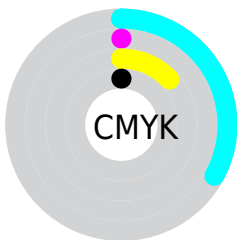
Distribution



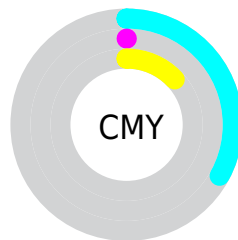
- Red (67%)
- Green (100%)
- Blue (87%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5646, 0.2823, 0.3662 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 85.5646, 0.2823, 0.3662 by changing the saturation by 10% instead.


 85.5646, 0.2823,
0.3662

 85.5646, 0.2823,
0.3662


513.4944, 0.2962,
0.3490

 64.3080, 0.2792,
0.3701


 141.1617, 0.2871,
0.3602

 46.9002, 0.2754,
0.3749


176.2711, 0.2889,
0.3579

 32.9567, 0.2705,
0.3811


216.7668, 0.2906,
0.3559

 22.0933, 0.2643,
0.3890

263.0332, 0.2920,
0.3542

 13.9255, 0.2559,
0.3999

315.4548, 0.2932,
0.3527

 8.0689, 0.2441,
0.4155

374.4159, 0.2943,

 4.1390, 0.2262,

0.3513

0.4397

440.3010, 0.2953,
0.3501

1.7516, 0.1944,
0.4831

0.4568, 0.0000,
1.0000

85.5646, 0.2823,
0.3662

85.5646, 0.2823,
0.3662

82.4250, 0.2746,
0.3799

89.2962, 0.2910,
0.3535

79.8366, 0.2682,
0.3946

93.6411, 0.3004,
0.3419

77.7666, 0.2635,
0.4099

98.6298, 0.3102,
0.3315

76.1752, 0.2607,
0.4255

100.0000, 0.3127,
0.3290

■ 75.0165, 0.2600,
0.4413

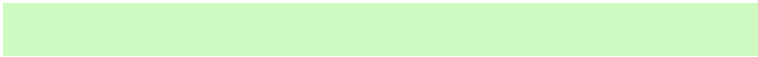
■ 74.2349, 0.2613,
0.4567

■ 73.8366, 0.2633,
0.4679

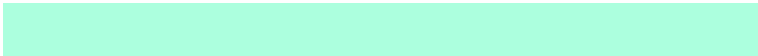
Harmonies

Analogous

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



85.5646, 0.3186, 0.3911



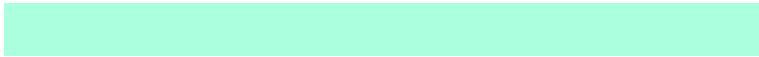
85.5646, 0.2823, 0.3662



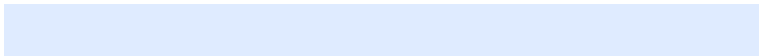
85.5646, 0.2552, 0.3302

Triad

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



85.5646, 0.2823, 0.3662



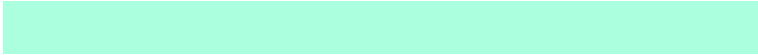
85.5646, 0.2696, 0.2677



85.5646, 0.3876, 0.3543

Complementary

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



85.5646, 0.2823, 0.3662



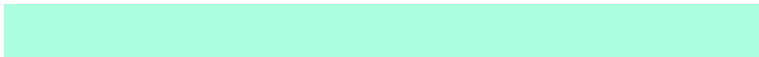
55.1890, 0.3582, 0.2949

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.



85.5646, 0.3731, 0.3235



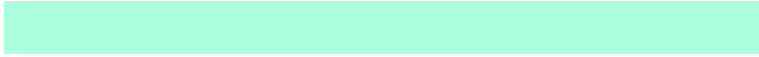
85.5646, 0.2823, 0.3662



85.5646, 0.3032, 0.2755

Square

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



85.5646, 0.2823, 0.3662



85.5646, 0.2483, 0.2746



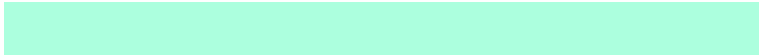
85.5646, 0.3415, 0.2954



85.5646, 0.3804, 0.3811

Rectangle

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



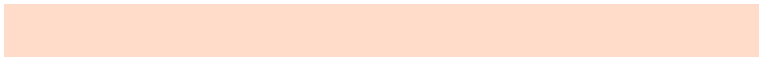
85.5646, 0.2823, 0.3662



85.5646, 0.2453, 0.3068



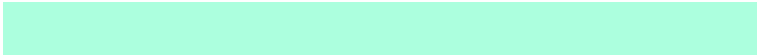
85.5646, 0.3415, 0.2954



85.5646, 0.3851, 0.3441

Sweetspot

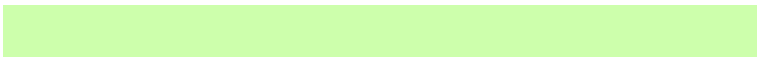
The Sweet Spot groups the original color and five complimentary colors.



85.5674, 0.2823, 0.3662



94.8438, 0.3029, 0.3392



87.5105, 0.3286, 0.4201



20.1567, 0.3015, 0.3407



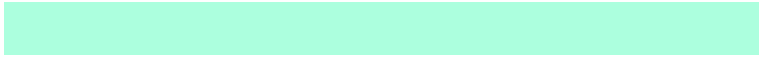
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



85.5674, 0.2823, 0.3662



83.4709, 0.2772, 0.3750



82.3350, 0.2650, 0.3198



20.3518, 0.3033, 0.3386



38.6115, 0.2626, 0.4654



3.7810, 0.2578, 0.4481

Inverse Universe

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



55.1890, 0.3582, 0.2949



48.8323, 0.3710, 0.2880



57.0166, 0.3857, 0.3379



18.1069, 0.3231, 0.3196



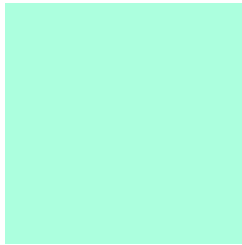
11.6323, 0.5392, 0.2744



1.1534, 0.5090, 0.2578

Previews

White Background



This preview shows how the Yxy color 85.5646, 0.2823, 0.3662 looks on a white background.

Color Contrast Check

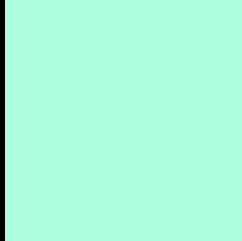
Large Text (above 18pt) WCAG AA × Fail

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 85.5646, 0.2823, 0.3662 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

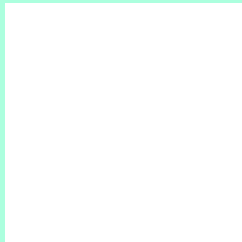
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5646, 0.2823, 0.3662

Background



This preview shows how black text looks on a background with the Yxy color 85.5646, 0.2823, 0.3662.

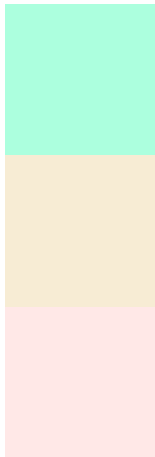


This preview shows how white text looks on a background with the Yxy color 85.5646, 0.2823, 0.3662.

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

85.5646, 0.2823, 0.3662

Protanopia

84.5185, 0.3355, 0.3534

Deuteranopia

84.7427, 0.3292, 0.3300



Tritanopia

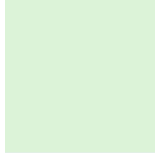
84.8765, 0.2848, 0.3164

Trichromacy



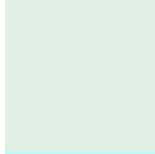
Original Color

85.5646, 0.2823, 0.3662



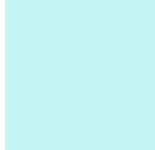
Protanomaly

84.2747, 0.3140, 0.3577



Deuteranomaly

83.9292, 0.3102, 0.3416



Tritanomaly

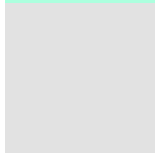
84.7284, 0.2840, 0.3332

Monochromacy



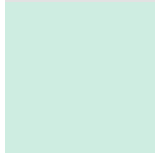
Original Color

85.5646, 0.2823, 0.3662



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.1264, 0.2997, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5646, 0.2823, 0.3662 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(172, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 222)  
}
```

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(172, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 85.5646, 0.2823, 0.3662 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(172, 255, 222) }
```

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

```
.border{ border-color:rgb(172, 255, 222) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(172, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5646, 0.2823, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 222) }
```

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

```
.background{ background-color: rgb(172,  
255, 222) }
```

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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