

Converting Colors

$Yxy(86.8297, 0.2755, 0.3471)$

Have a look what the booklet for
Yxy(86.8297, 0.2755, 0.3471)
contains.

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Color

Yxy(86.8660, 0.2753, 0.3465)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFEF
RGB	175, 255, 239
RGB Percent	69%, 100%, 94%
CMY	0.3139, 0.0000, 0.0626
CMYK	0.31, 0.00, 0.06, 0.00
HSL	168°, 100%, 84%
HSV	168°, 31%, 100%
XYZ	69.0165, 86.8660, 94.8130
YIQ	229.2560, -42.5440, -21.9360

Conversions

Conversions Part 2

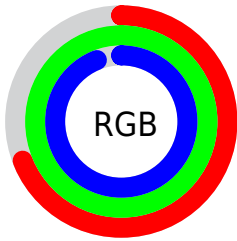
Format	Color
RYB	175, 219, 255
Decimal	11534319
CIELab	94.68, -27.67, -0.16
CIElCh	95, 27.667, 180.321
Yxy	86.8660, 0.2753, 0.3465
Android (android.graphics.Color)	4289724399 (0xFFAFFFEF)
YUV	229.2560, 4.8038, -47.5825
Hunter-Lab	93.2019, -30.9233, 4.9264

Details

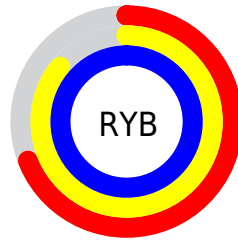
The Yxy color **86.8660, 0.2753, 0.3465** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.6655, 0.3703, 0.3125**, and the grayscale version is **78.5344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **47.8001, 0.2675, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **83.8907, 0.2655, 0.3530**, and if you desaturate by 10%, it is **90.4025, 0.2864, 0.3404**.

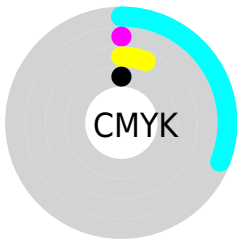
Distribution



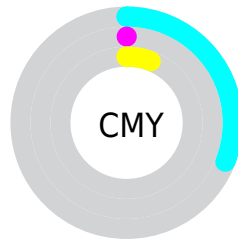
- Red (69%)
- Green (100%)
- Blue (94%)



- Red (69%)
- Yellow (86%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8660, 0.2753, 0.3465 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 86.8660, 0.2753, 0.3465 by changing the saturation by 10% instead.

 86.8660, 0.2753,
0.3465

 86.8660, 0.2753,
0.3465

517.7824, 0.2920,
0.3387

 65.3843, 0.2716,
0.3482


 142.9774, 0.2810,
0.3438

 47.7728, 0.2671,
0.3503


178.3758, 0.2832,
0.3428

 33.6470, 0.2616,
0.3529

219.1820, 0.2852,
0.3419

 22.6225, 0.2545,
0.3562

265.7803, 0.2869,
0.3411

 14.3150, 0.2451,
0.3606

318.5551, 0.2884,
0.3404

 8.3401, 0.2321,
0.3666

377.8908, 0.2897,

 4.3133, 0.2132,

0.3398

0.3754

444.1718, 0.2909,
0.3392

■ 1.8503, 0.1830,
0.3893

■ 0.5183, 0.0000,
0.4740

■ 86.8660, 0.2753,
0.3465

■ 86.8660, 0.2753,
0.3465

■ 83.8907, 0.2655,
0.3530

■ 90.4025, 0.2864,
0.3404

■ 81.4516, 0.2571,
0.3599

■ 94.5357, 0.2983,
0.3348

■ 79.5118, 0.2505,
0.3670

■ 99.2906, 0.3109,
0.3297

■ 78.0327, 0.2459,
0.3744

100.0000, 0.3127,
0.3290

■ 76.9696, 0.2432,
0.3817

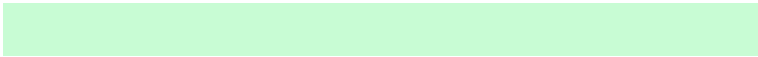
■ 76.2690, 0.2425,
0.3891

■ 75.8854, 0.2432,
0.3953

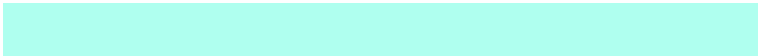
Harmonies

Analogous

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



86.8660, 0.3032, 0.3725



86.8660, 0.2753, 0.3465



86.8660, 0.2578, 0.3164

Triad

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



86.8660, 0.2753, 0.3465



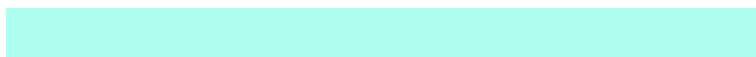
86.8660, 0.2889, 0.2788



86.8660, 0.3747, 0.3621

Complementary

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



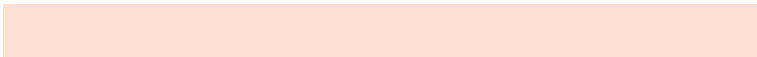
86.8660, 0.2753, 0.3465



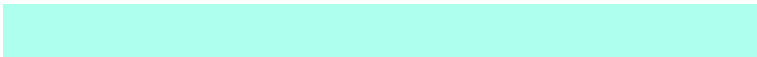
55.6655, 0.3703, 0.3125

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.



86.8660, 0.3709, 0.3370



86.8660, 0.2753, 0.3465



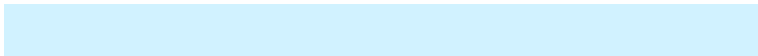
86.8660, 0.3200, 0.2905

Square

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



86.8660, 0.2753, 0.3465



86.8660, 0.2653, 0.2789



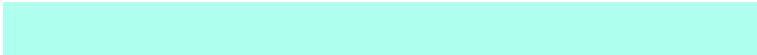
86.8660, 0.3505, 0.3114



86.8660, 0.3610, 0.3802

Rectangle

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



86.8660, 0.2753, 0.3465



86.8660, 0.2538, 0.2990



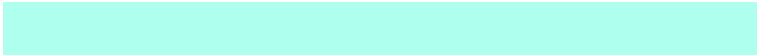
86.8660, 0.3505, 0.3114



86.8660, 0.3754, 0.3542

Sweetspot

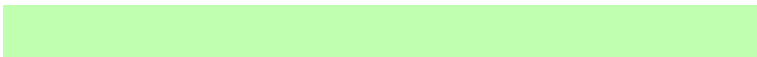
The Sweet Spot groups the original color and five complimentary colors.



86.8639, 0.2753, 0.3465



95.6127, 0.3013, 0.3335



85.6867, 0.3180, 0.4194



20.3236, 0.2995, 0.3343



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

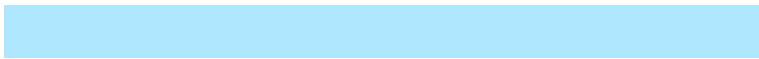
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8639, 0.2753, 0.3465



84.8359, 0.2686, 0.3508



73.4762, 0.2644, 0.3022



20.4157, 0.3007, 0.3338



39.6736, 0.2428, 0.3941



3.8779, 0.2405, 0.3858

Inverse Universe

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



55.6655, 0.3703, 0.3125



48.9395, 0.3879, 0.3089



65.1897, 0.3770, 0.3542



18.0463, 0.3263, 0.3243



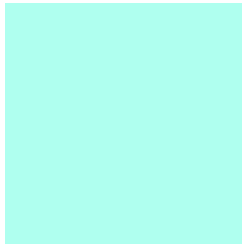
11.2498, 0.6081, 0.3124



1.1100, 0.5784, 0.2960

Previews

White Background



This preview shows how the Yxy color 86.8660, 0.2753, 0.3465 looks on a white background.

Color Contrast Check

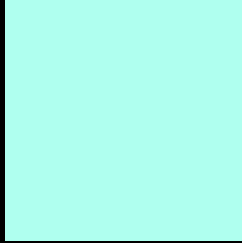
Large Text (above 18pt) WCAG AA × Fail

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 86.8660, 0.2753, 0.3465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

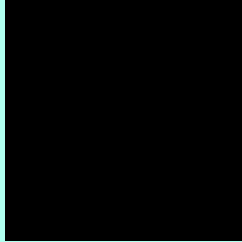
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

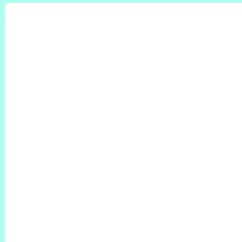
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8660, 0.2753, 0.3465

Background



This preview shows how black text looks on a background with the Yxy color 86.8660, 0.2753, 0.3465.

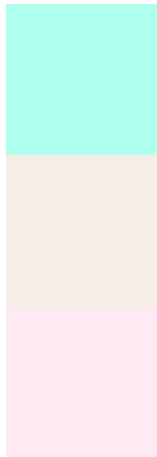


This preview shows how white text looks on a background with the Yxy color 86.8660, 0.2753, 0.3465.

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

86.8660, 0.2753, 0.3465

Protanopia

86.2187, 0.3230, 0.3381

Deuteranopia

86.0089, 0.3213, 0.3193



Tritanopia

86.6709, 0.2873, 0.3186

Trichromacy



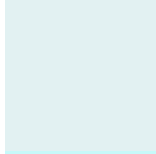
Original Color

86.8660, 0.2753, 0.3465



Protanomaly

85.8002, 0.3039, 0.3405



Deuteranomaly

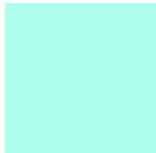
85.4901, 0.3025, 0.3279



Tritanomaly

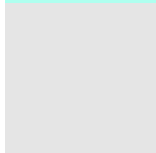
86.7330, 0.2826, 0.3289

Monochromacy



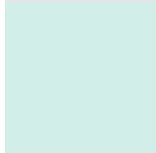
Original Color

86.8660, 0.2753, 0.3465



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5876, 0.2970, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8660, 0.2753, 0.3465 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(175, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 239)  
}
```

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(175, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 86.8660, 0.2753, 0.3465 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(175, 255, 239) }
```

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

```
.border{ border-color:rgb(175, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8660, 0.2753, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 239) }
```

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

```
.background{ background-color: rgb(175,  
255, 239) }
```

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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