

Converting Colors

Yxy(86.4323, 0.2637, 0.3194)

Have a look what the booklet for
Yxy(86.4323, 0.2637, 0.3194)
contains.

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Color

Yxy(85.8395, 0.2667, 0.3256)

Conversions

Conversions Part 1

Format	Color
Hex	AEFCFF
RGB	174, 252, 255
RGB Percent	68%, 99%, 100%
CMY	0.3178, 0.0117, 0.0000
CMYK	0.32, 0.01, 0.00, 0.00
HSL	182°, 100%, 84%
HSV	182°, 32%, 100%
XYZ	70.3114, 85.8395, 107.4839
YIQ	229.0200, -47.4510, -15.6030

Conversions

Conversions Part 2

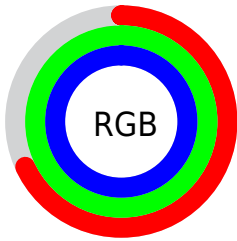
Format	Color
RYB	174, 214, 255
Decimal	11468031
CIELab	94.24, -22.99, -9.06
CIElCh	94, 24.709, 201.521
Yxy	85.8395, 0.2667, 0.3256
Android (android.graphics.Color)	4289658111 (0xFFAEFCFF)
YUV	229.0200, 12.8081, -48.2525
Hunter-Lab	92.6496, -26.6739, -3.9283

Details

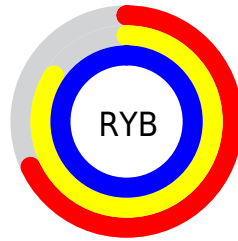
The Yxy color **85.8395, 0.2667, 0.3256** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7405, 0.3851, 0.3324**, and the grayscale version is **78.2959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **46.9590, 0.2570, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **82.5971, 0.2548, 0.3244**, and if you desaturate by 10%, it is **89.6453, 0.2801, 0.3268**.

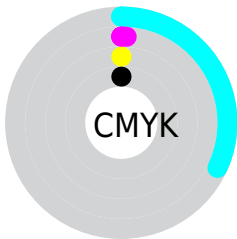
Distribution



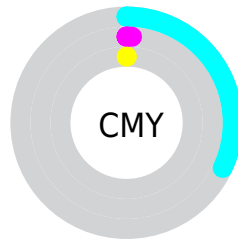
- Red (68%)
- Green (99%)
- Blue (100%)



- Red (68%)
- Yellow (84%)
- Blue (100%)



- Cyan (32%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8395, 0.2667, 0.3256 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 85.8395, 0.2667, 0.3256 by changing the saturation by 10% instead.


 85.8395, 0.2667,
0.3256

 85.8395, 0.2667,
0.3256


514.4018, 0.2871,
0.3275

 64.5353, 0.2623,
0.3251


 141.5455, 0.2736,
0.3263

 47.0843, 0.2569,
0.3244


176.7160, 0.2763,
0.3266

 33.1023, 0.2502,
0.3236

217.2775, 0.2787,
0.3268

 22.2049, 0.2418,
0.3224

263.6142, 0.2808,
0.3270

 14.0075, 0.2307,
0.3206

316.1106, 0.2826,
0.3271

 8.1259, 0.2157,
0.3178

375.1511, 0.2843,

 4.1756, 0.1943,

0.3273

0.3131

441.1200, 0.2857,
0.3274

■ 1.7723, 0.1613,
0.3037

■ 0.4698, 0.0000,
0.2888

■ 85.8395, 0.2667,
0.3256

■ 85.8395, 0.2667,
0.3256

■ 82.5971, 0.2548,
0.3244

■ 89.6453, 0.2801,
0.3268

■ 79.8796, 0.2445,
0.3232

■ 94.0367, 0.2946,
0.3278

■ 77.6546, 0.2362,
0.3219

■ 99.0430, 0.3099,
0.3288

■ 75.8832, 0.2297,
0.3207

100.0000, 0.3127,
0.3290

■ 74.5208, 0.2253,
0.3194

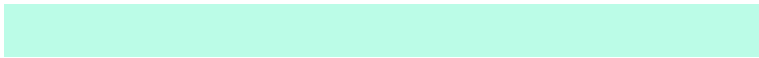
■ 73.5132, 0.2226,
0.3182

■ 72.8838, 0.2215,
0.3172

Harmonies

Analogous

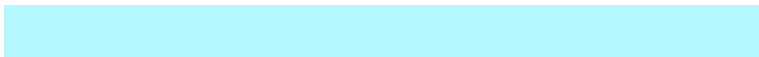
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8395, 0.2858, 0.3523



85.8395, 0.2667, 0.3256



85.8395, 0.2596, 0.3014

Triad

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



85.8395, 0.2667, 0.3256



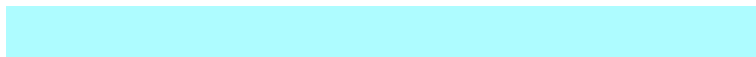
85.8395, 0.3109, 0.2902



85.8395, 0.3611, 0.3713

Complementary

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



85.8395, 0.2667, 0.3256



55.7405, 0.3851, 0.3324

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.



85.8395, 0.3689, 0.3528



85.8395, 0.2667, 0.3256



85.8395, 0.3392, 0.3070

Square

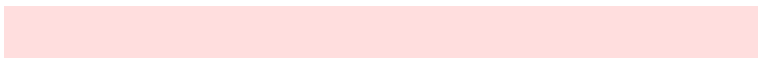
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8395, 0.2667, 0.3256



85.8395, 0.2842, 0.2825



85.8395, 0.3608, 0.3294



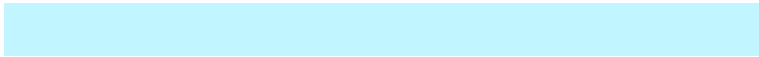
85.8395, 0.3402, 0.3793

Rectangle

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



85.8395, 0.2667, 0.3256



85.8395, 0.2623, 0.2901



85.8395, 0.3608, 0.3294



85.8395, 0.3654, 0.3660

Sweetspot

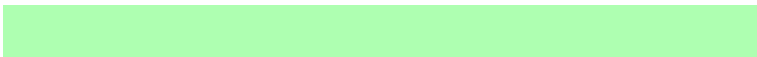
The Sweet Spot groups the original color and five complimentary colors.



85.8418, 0.2667, 0.3256



94.8816, 0.2973, 0.3280



83.6755, 0.3069, 0.4202



20.1654, 0.2951, 0.3279



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.



85.8418, 0.2667, 0.3256



83.7595, 0.2591, 0.3249



63.1919, 0.2611, 0.2798



20.3597, 0.2980, 0.3281



38.1343, 0.2215, 0.3174



3.7475, 0.2219, 0.3188

Inverse Universe

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



58.5470, 0.3187, 0.2524



52.7397, 0.3200, 0.2378



74.0347, 0.3720, 0.3735



18.2881, 0.3144, 0.3064



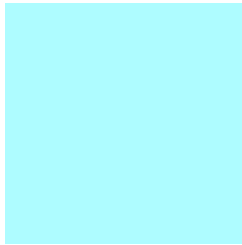
14.5777, 0.3304, 0.1594



1.4229, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 85.8395, 0.2667, 0.3256 looks on a white background.

Color Contrast Check

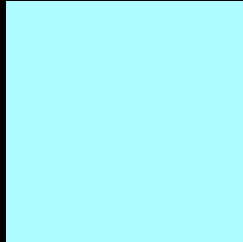
Large Text (above 18pt) WCAG AA × Fail

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 85.8395, 0.2667, 0.3256 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 85.8395, 0.2667, 0.3256

Background



This preview shows how black text looks on a background with the Yxy color 85.8395, 0.2667, 0.3256.

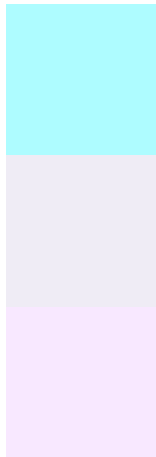


This preview shows how white text looks on a background with the Yxy color 85.8395, 0.2667, 0.3256.

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

85.8395, 0.2667, 0.3256

Protanopia

84.9342, 0.3092, 0.3199

Deuteranopia

84.8897, 0.3091, 0.3065



Tritanopia

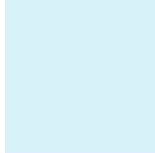
85.4767, 0.2849, 0.3175

Trichromacy



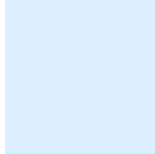
Original Color

85.8395, 0.2667, 0.3256



Protanomaly

84.7909, 0.2916, 0.3217



Deuteranomaly

84.3252, 0.2918, 0.3126



Tritanomaly

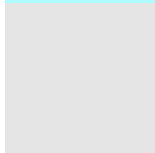
85.4773, 0.2777, 0.3204

Monochromacy



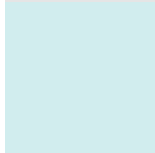
Original Color

85.8395, 0.2667, 0.3256



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.2967, 0.2940, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8395, 0.2667, 0.3256 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(174, 252, 255)  
}
```

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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.8395, 0.2667, 0.3256 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, 252, 255) }
```

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

```
.border{ border-color:rgb(174, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(174, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(174, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8395, 0.2667, 0.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 252, 255) }
```

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

```
.background{ background-color: rgb(174,  
252, 255) }
```

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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