

Converting Colors

$Y_{xy}(100.0000, 0.2732, 0.3665)$

Have a look what the booklet for
Yxy(100.0000, 0.2732, 0.3665)
contains.

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Color

Yxy(86.0864, 0.2704, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFF1
RGB	167, 255, 241
RGB Percent	65%, 100%, 95%
CMY	0.3447, 0.0000, 0.0548
CMYK	0.34, 0.00, 0.05, 0.00
HSL	170°, 100%, 83%
HSV	170°, 34%, 100%
XYZ	67.5893, 86.0864, 96.2848
YIQ	227.0920, -47.9540, -23.0100

Conversions

Conversions Part 2

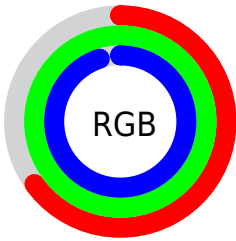
Format	Color
R_{YB}	167, 215, 255
Decimal	11010033
CIE _{Lab}	94.35, -29.35, -1.71
CIE _{LCh}	94, 29.404, 183.335
Yxy	86.0864, 0.2704, 0.3444
Android (android.graphics.Color)	4289200113 (0xFFA7FFF1)
YUV	227.0920, 6.8566, -52.7007
Hunter-Lab	92.7828, -32.3382, 3.4201

Details

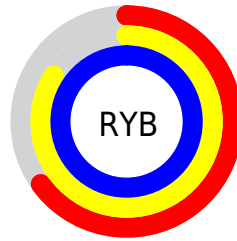
The Yxy color **86.0864, 0.2704, 0.3444** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.2679, 0.3816, 0.3145**, and the grayscale version is **76.8783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **47.2705, 0.2612, 0.3478** is the 20% darker color. If you saturate the color by 10%, you get **83.3396, 0.2606, 0.3496**, and if you desaturate by 10%, it is **89.3931, 0.2815, 0.3395**.

Distribution



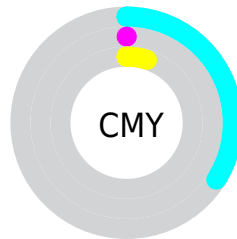
- Red (65%)
- Green (100%)
- Blue (95%)



- Red (65%)
- Yellow (84%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0864, 0.2704, 0.3444 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 86.0864, 0.2704, 0.3444 by changing the saturation by 10% instead.


 86.0864, 0.2704,
0.3444

 86.0864, 0.2704,
0.3444


515.2161, 0.2893,
0.3376

 64.7394, 0.2663,
0.3459


 141.8901, 0.2768,
0.3421

 47.2498, 0.2612,
0.3477


177.1155, 0.2793,
0.3412

 33.2332, 0.2549,
0.3499


217.7359, 0.2815,
0.3404

 22.3051, 0.2469,
0.3526

264.1357, 0.2835,
0.3397

 14.0813, 0.2364,
0.3562

316.6992, 0.2852,
0.3391

 8.1772, 0.2220,
0.3611


375.8108, 0.2867,


 4.2086, 0.2009,

0.3386


0.3681

441.8550, 0.2881,
0.3381


 1.7909, 0.1677,
0.3785


 0.4815, 0.0000,
0.4279


 86.0864, 0.2704,
0.3444


 86.0864, 0.2704,
0.3444


 83.3396, 0.2606,
0.3496


 89.3931, 0.2815,
0.3395

 81.1100, 0.2525,
0.3551

 93.2790, 0.2938,
0.3349

 79.3653, 0.2461,
0.3607

 97.7751, 0.3067,
0.3307

 78.0651, 0.2418,
0.3665

99.9924, 0.3127,
0.3290

■ 77.1627, 0.2394,
0.3722

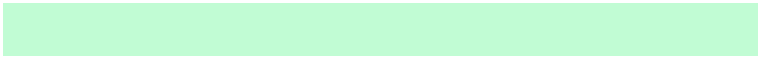
■ 76.6006, 0.2389,
0.3779

■ 76.3908, 0.2392,
0.3810

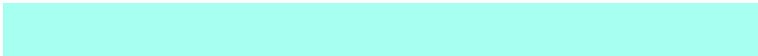
Harmonies

Analogous

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



86.0864, 0.2992, 0.3733



86.0864, 0.2704, 0.3444



86.0864, 0.2532, 0.3124

Triad

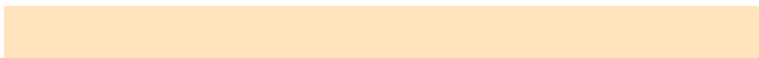
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0864, 0.2704, 0.3444



86.0864, 0.2904, 0.2764



86.0864, 0.3781, 0.3664

Complementary

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



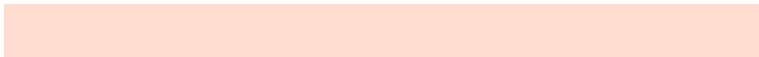
86.0864, 0.2704, 0.3444



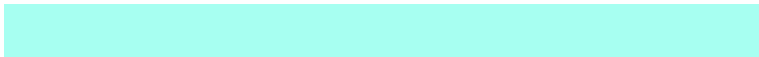
52.2679, 0.3816, 0.3145

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.



86.0864, 0.3760, 0.3402



86.0864, 0.2704, 0.3444



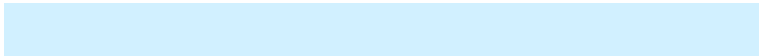
86.0864, 0.3239, 0.2900

Square

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



86.0864, 0.2704, 0.3444



86.0864, 0.2643, 0.2751



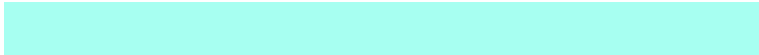
86.0864, 0.3558, 0.3128



86.0864, 0.3618, 0.3848

Rectangle

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



86.0864, 0.2704, 0.3444



86.0864, 0.2501, 0.2945



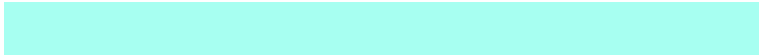
86.0864, 0.3558, 0.3128



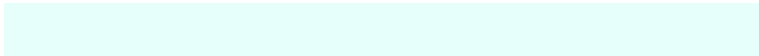
86.0864, 0.3796, 0.3582

Sweetspot

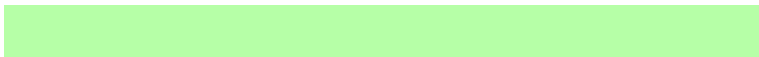
The Sweet Spot groups the original color and five complimentary colors.



86.0899, 0.2704, 0.3444



95.2221, 0.2995, 0.3330



84.2195, 0.3165, 0.4302



20.2485, 0.2977, 0.3336



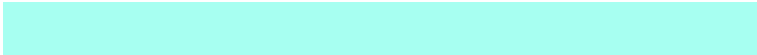
0.0000, 0.0000, 0.0000



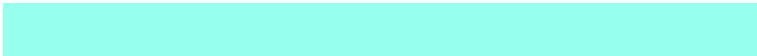
21.4041, 0.3127, 0.3290

Same Dimension

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



86.0899, 0.2704, 0.3444



84.2423, 0.2638, 0.3478



69.6688, 0.2594, 0.2957



20.4289, 0.3001, 0.3328



39.9387, 0.2389, 0.3801



3.9014, 0.2371, 0.3736

Inverse Universe

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



52.2679, 0.3816, 0.3145



46.0092, 0.4012, 0.3118



63.7077, 0.3843, 0.3598



18.0341, 0.3269, 0.3252



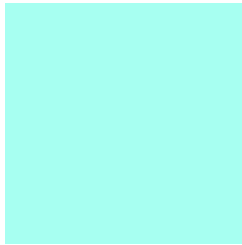
11.2046, 0.6179, 0.3177



1.1038, 0.5904, 0.3026

Previews

White Background



This preview shows how the Yxy color 86.0864, 0.2704, 0.3444 looks on a white background.

Color Contrast Check

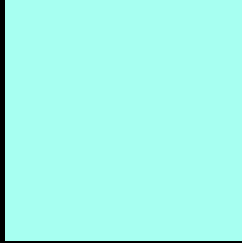
Large Text (above 18pt) WCAG AA × Fail

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 86.0864, 0.2704, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

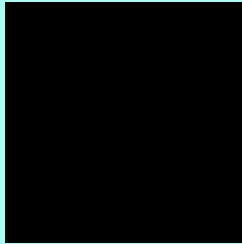
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

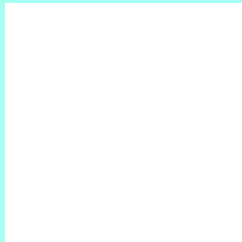
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0864, 0.2704, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 86.0864, 0.2704, 0.3444.

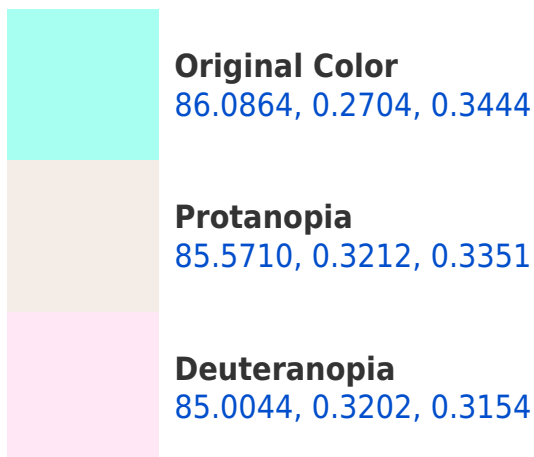


This preview shows how white text looks on a background with the Yxy color 86.0864, 0.2704, 0.3444.

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

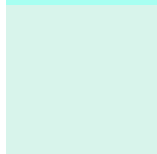
85.4767, 0.2849, 0.3175

Trichromacy



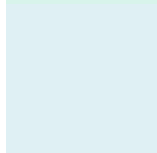
Original Color

86.0864, 0.2704, 0.3444



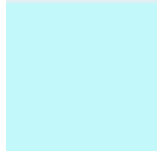
Protanomaly

85.2985, 0.3002, 0.3384



Deuteranomaly

84.5398, 0.2994, 0.3248



Tritanomaly

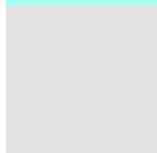
85.5063, 0.2792, 0.3268

Monochromacy



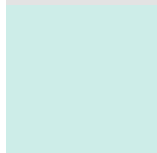
Original Color

86.0864, 0.2704, 0.3444



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3737, 0.2950, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0864, 0.2704, 0.3444 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(167, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 241)  
}
```

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(167, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 86.0864, 0.2704, 0.3444 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(167, 255, 241) }
```

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

```
.border{ border-color:rgb(167, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(167, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0864, 0.2704, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 255, 241) }
```

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

```
.background{ background-color: rgb(167,  
255, 241) }
```

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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