

Converting Colors

$Y_{xy}(111.7171, 0.2731, 0.3775)$

Have a look what the booklet for
Yxy(111.7171, 0.2731, 0.3775)
contains.

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Color

Yxy(86.3281, 0.2685, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	A7FFF5
RGB	167, 255, 245
RGB Percent	65%, 100%, 96%
CMY	0.3447, 0.0000, 0.0392
CMYK	0.34, 0.00, 0.04, 0.00
HSL	173°, 100%, 83%
HSV	173°, 34%, 100%
XYZ	68.1939, 86.3281, 99.4589
YIQ	227.5480, -49.2380, -21.7660

Conversions

Conversions Part 2

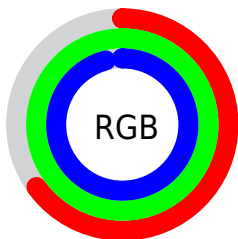
Format	Color
R_{YB}	167, 214, 255
Decimal	11010037
CIE Lab	94.45, -28.47, -3.62
CIE LCh	94, 28.701, 187.245
Yxy	86.3281, 0.2685, 0.3399
Android (android.graphics.Color)	4289200117 (0xFFA7FFF5)
YUV	227.5480, 8.6038, -53.1006
Hunter-Lab	92.9129, -31.5867, 1.5719

Details

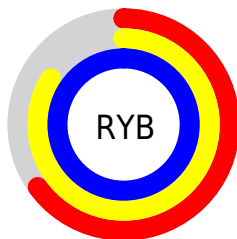
The Yxy color **86.3281, 0.2685, 0.3399** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.1101, 0.3854, 0.3187**, and the grayscale version is **77.2165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **47.4418, 0.2589, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **83.6452, 0.2583, 0.3436**, and if you desaturate by 10%, it is **89.5683, 0.2801, 0.3364**.

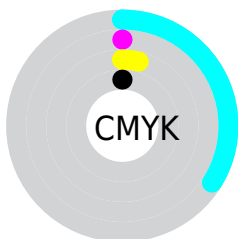
Distribution



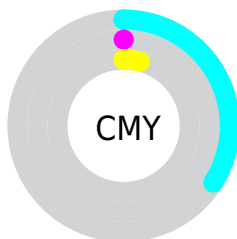
- Red (65%)
- Green (100%)
- Blue (96%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3281, 0.2685, 0.3399 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 86.3281, 0.2685, 0.3399 by changing the saturation by 10% instead.


 86.3281, 0.2685,
0.3399

 86.3281, 0.2685,
0.3399


 516.0125, 0.2882,
0.3352


 64.9393, 0.2642,
0.3409


 142.2273, 0.2752,
0.3383


 47.4119, 0.2590,
0.3421


 177.5064, 0.2778,
0.3377

 33.3614, 0.2525,
0.3435

 218.1845, 0.2801,
0.3372

 22.4034, 0.2442,
0.3452

 264.6459, 0.2821,
0.3367

 14.1536, 0.2334,
0.3475

 317.2750, 0.2839,
0.3363

 8.2276, 0.2186,
0.3503

 376.4562, 0.2855,

 4.2409, 0.1971,

0.3359

0.3541

442.5739, 0.2869,
0.3355

1.8092, 0.1638,
0.3589

0.4929, 0.0000,
0.3843

86.3281, 0.2685,
0.3399

86.3281, 0.2685,
0.3399

83.6452, 0.2583,
0.3436

89.5683, 0.2801,
0.3364

81.4769, 0.2498,
0.3474

93.3851, 0.2929,
0.3332

79.7908, 0.2431,
0.3513

97.8094, 0.3065,
0.3302

78.5469, 0.2385,
0.3553

99.9920, 0.3127,
0.3290

■ 77.6981, 0.2357,
0.3593

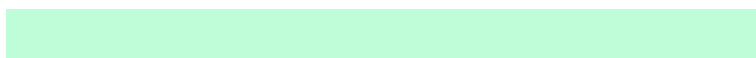
■ 77.1872, 0.2348,
0.3633

■ 77.0046, 0.2348,
0.3654

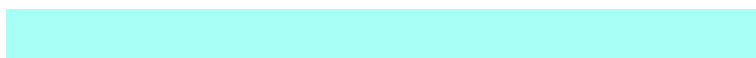
Harmonies

Analogous

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



86.3281, 0.2954, 0.3690



86.3281, 0.2685, 0.3399



86.3281, 0.2535, 0.3091

Triad

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



86.3281, 0.2685, 0.3399



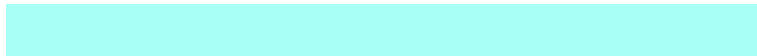
86.3281, 0.2950, 0.2787



86.3281, 0.3753, 0.3685

Complementary

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



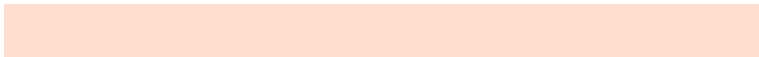
86.3281, 0.2685, 0.3399



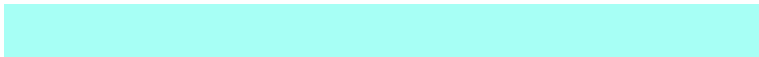
52.1101, 0.3854, 0.3187

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.



86.3281, 0.3758, 0.3435



86.3281, 0.2685, 0.3399



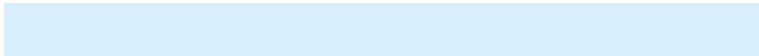
86.3281, 0.3280, 0.2934

Square

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



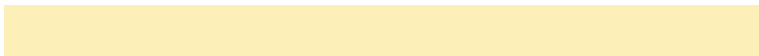
86.3281, 0.2685, 0.3399



86.3281, 0.2681, 0.2758



86.3281, 0.3581, 0.3165



86.3281, 0.3575, 0.3848

Rectangle

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



86.3281, 0.2685, 0.3399



86.3281, 0.2517, 0.2926



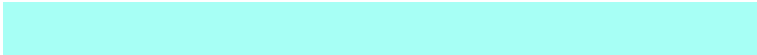
86.3281, 0.3581, 0.3165



86.3281, 0.3776, 0.3608

Sweetspot

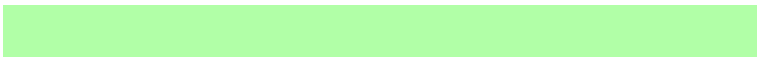
The Sweet Spot groups the original color and five complimentary colors.



86.3316, 0.2685, 0.3399



95.2953, 0.2988, 0.3318



83.6947, 0.3139, 0.4310



20.2663, 0.2970, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

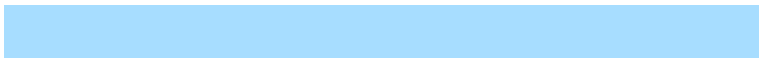
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3316, 0.2685, 0.3399



84.5255, 0.2617, 0.3423



67.3162, 0.2587, 0.2905



20.4438, 0.2995, 0.3317



40.2553, 0.2347, 0.3648



3.9292, 0.2334, 0.3603

Inverse Universe

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



52.1101, 0.3854, 0.3187



45.8367, 0.4062, 0.3168



65.7275, 0.3827, 0.3643



18.0206, 0.3276, 0.3263



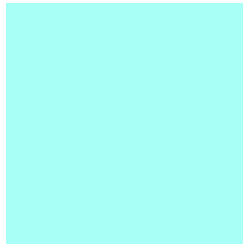
11.1657, 0.6267, 0.3226



1.0975, 0.6035, 0.3098

Previews

White Background



This preview shows how the Yxy color 86.3281, 0.2685, 0.3399 looks on a white background.

Color Contrast Check

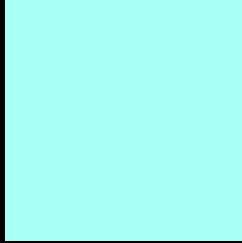
Large Text (above 18pt) WCAG AA × Fail

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 86.3281, 0.2685, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

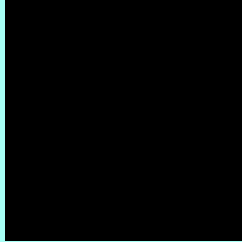
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.3281, 0.2685, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 86.3281, 0.2685, 0.3399.

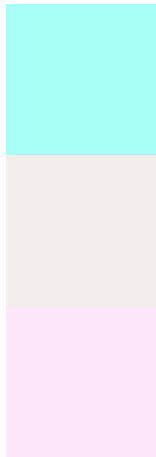


This preview shows how white text looks on a background with the Yxy color 86.3281, 0.2685, 0.3399.

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

86.3281, 0.2685, 0.3399

Protanopia

85.6212, 0.3180, 0.3310

Deuteranopia

85.3140, 0.3170, 0.3106



Tritanopia

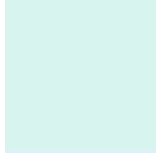
86.0801, 0.2849, 0.3185

Trichromacy



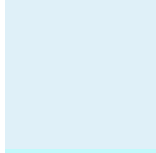
Original Color

86.3281, 0.2685, 0.3399



Protanomaly

85.3804, 0.2973, 0.3342



Deuteranomaly

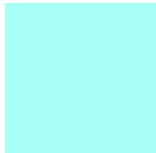
84.7855, 0.2971, 0.3207



Tritanomaly

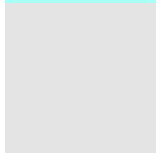
86.1857, 0.2788, 0.3268

Monochromacy



Original Color

86.3281, 0.2685, 0.3399



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2114, 0.2945, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3281, 0.2685, 0.3399 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(167, 255, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 86.3281, 0.2685, 0.3399 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, 245) }
```

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

```
.border{ border-color:rgb(167, 255, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 255, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 255, 245); box-shadow:4px 4px 4px 4px rgb(167, 255, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3281, 0.2685, 0.3399 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, 245) }
```

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

```
.background{ background-color: rgb(167,  
255, 245) }
```

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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