

Converting Colors

$Yxy(86.0245, 0.2687, 0.3421)$

Have a look what the booklet for
Yxy(86.0245, 0.2687, 0.3421)
contains.

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Color

Yxy(86.0981, 0.2689, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFF3
RGB	166, 255, 243
RGB Percent	65%, 100%, 95%
CMY	0.3492, 0.0000, 0.0470
CMYK	0.35, 0.00, 0.05, 0.00
HSL	172°, 100%, 83%
HSV	172°, 35%, 100%
XYZ	67.6557, 86.0981, 97.8479
YIQ	227.0210, -49.1920, -22.6000

Conversions

Conversions Part 2

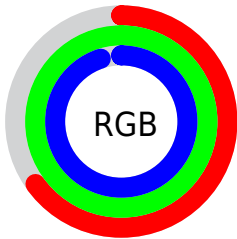
Format	Color
R_{YB}	166, 214, 255
Decimal	10944499
CIE _{Lab}	94.35, -29.23, -2.74
CIE _{LCh}	94, 29.357, 185.346
Yxy	86.0981, 0.2689, 0.3422
Android (android.graphics.Color)	4289134579 (0xFFA6FFF3)
YUV	227.0210, 7.8776, -53.5154
Hunter-Lab	92.7891, -32.2304, 2.4299

Details

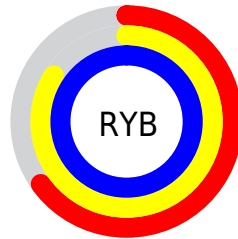
The Yxy color **86.0981, 0.2689, 0.3422** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.7272, 0.3850, 0.3166**, and the grayscale version is **76.7890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **47.2910, 0.2595, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **83.4004, 0.2590, 0.3466**, and if you desaturate by 10%, it is **89.3358, 0.2802, 0.3380**.

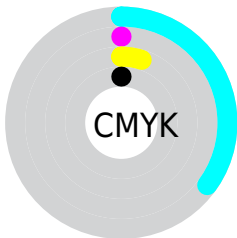
Distribution



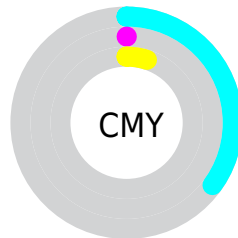
- Red (65%)
- Green (100%)
- Blue (95%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.0981, 0.2689, 0.3422 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 86.0981, 0.2689, 0.3422 by changing the saturation by 10% instead.

 86.0981, 0.2689,
0.3422

 86.0981, 0.2689,
0.3422

515.2546, 0.2884,
0.3365

 64.7491, 0.2646,
0.3434


 141.9064, 0.2755,
0.3403

 47.2577, 0.2594,
0.3449


 177.1344, 0.2781,
0.3395

 33.2394, 0.2530,
0.3467


217.7576, 0.2804,
0.3388

 22.3099, 0.2447,
0.3490

264.1604, 0.2824,
0.3383

 14.0848, 0.2339,
0.3519

316.7271, 0.2842,
0.3377

 8.1797, 0.2191,
0.3558

375.8421, 0.2857,

 4.2101, 0.1976,

0.3373

0.3611

441.8898, 0.2871,
0.3368

■ 1.7918, 0.1639,
0.3685

■ 0.4820, 0.0000,
0.4023

■ 86.0981, 0.2689,
0.3422

■ 86.0981, 0.2689,
0.3422

■ 83.4004, 0.2590,
0.3466

■ 89.3358, 0.2802,
0.3380

■ 81.2254, 0.2507,
0.3512

■ 93.1586, 0.2927,
0.3342

■ 79.5322, 0.2443,
0.3559

■ 97.5889, 0.3060,
0.3306

■ 78.2801, 0.2398,
0.3607

100.0000, 0.3127,
0.3290

■ 77.4222, 0.2374,
0.3655

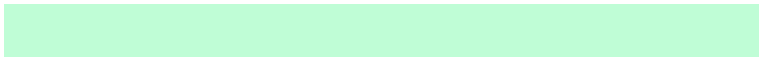
■ 76.9001, 0.2367,
0.3703

■ 76.7216, 0.2369,
0.3726

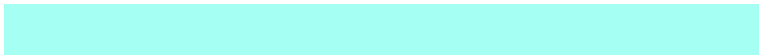
Harmonies

Analogous

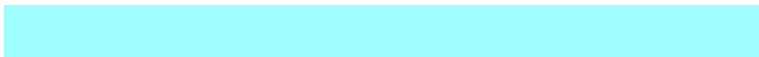
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0981, 0.2970, 0.3716



86.0981, 0.2689, 0.3422



86.0981, 0.2527, 0.3104

Triad

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



86.0981, 0.2689, 0.3422



86.0981, 0.2925, 0.2770



86.0981, 0.3774, 0.3679

Complementary

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



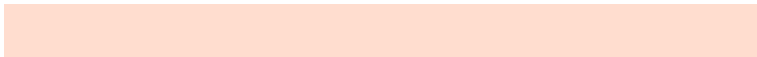
86.0981, 0.2689, 0.3422



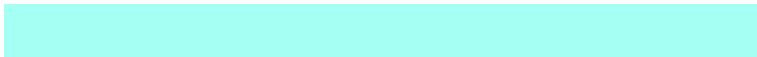
51.7272, 0.3850, 0.3166

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.



86.0981, 0.3767, 0.3420



86.0981, 0.2689, 0.3422



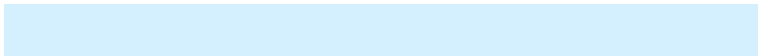
86.0981, 0.3262, 0.2913

Square

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



86.0981, 0.2689, 0.3422



86.0981, 0.2657, 0.2748



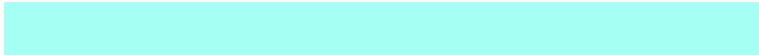
86.0981, 0.3575, 0.3145



86.0981, 0.3601, 0.3855

Rectangle

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



86.0981, 0.2689, 0.3422



86.0981, 0.2502, 0.2931



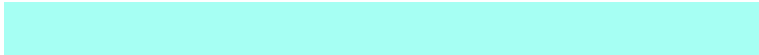
86.0981, 0.3575, 0.3145



86.0981, 0.3793, 0.3599

Sweetspot

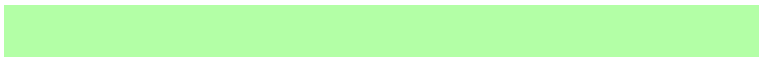
The Sweet Spot groups the original color and five complimentary colors.



86.0930, 0.2689, 0.3422



95.2611, 0.2991, 0.3324



83.8920, 0.3156, 0.4320



20.2580, 0.2973, 0.3329



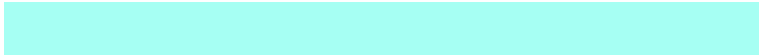
0.0000, 0.0000, 0.0000



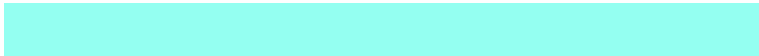
21.4041, 0.3127, 0.3290

Same Dimension

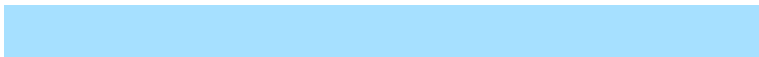
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0930, 0.2689, 0.3422



84.1319, 0.2617, 0.3453



68.5434, 0.2585, 0.2935



20.4369, 0.2998, 0.3322



40.1050, 0.2366, 0.3719



3.9160, 0.2351, 0.3664

Inverse Universe

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



51.7272, 0.3850, 0.3166



45.0288, 0.4072, 0.3141



63.9978, 0.3850, 0.3617



18.0269, 0.3273, 0.3258



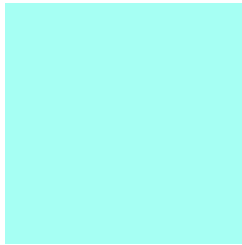
11.1823, 0.6229, 0.3205



1.1004, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 86.0981, 0.2689, 0.3422 looks on a white background.

Color Contrast Check

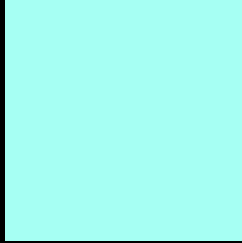
Large Text (above 18pt) WCAG AA × Fail

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 86.0981, 0.2689, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

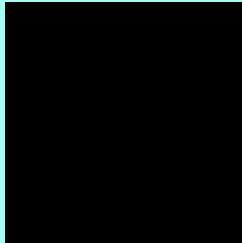
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

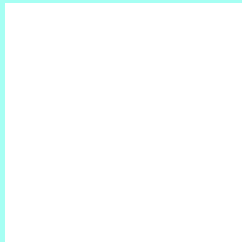
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.0981, 0.2689, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 86.0981, 0.2689, 0.3422.

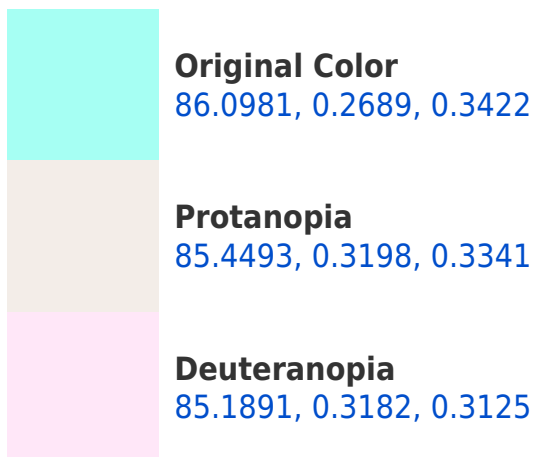


This preview shows how white text looks on a background with the Yxy color 86.0981, 0.2689, 0.3422.

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

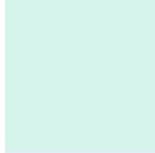
85.3313, 0.2843, 0.3175

Trichromacy



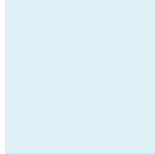
Original Color

86.0981, 0.2689, 0.3422



Protanomaly

85.2046, 0.2990, 0.3374



Deuteranomaly

84.6620, 0.2982, 0.3228



Tritanomaly

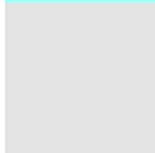
85.4373, 0.2782, 0.3257

Monochromacy



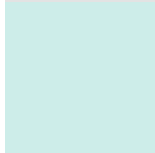
Original Color

86.0981, 0.2689, 0.3422



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4307, 0.2944, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.0981, 0.2689, 0.3422 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(166, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 243)  
}
```

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(166, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 86.0981, 0.2689, 0.3422 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(166, 255, 243) }
```

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

```
.border{ border-color:rgb(166, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(166, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 86.0981, 0.2689, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 243) }
```

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

```
.background{ background-color: rgb(166,  
255, 243) }
```

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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