

Converting Colors

$Yxy(86.7305, 0.2639, 0.3304)$

Have a look what the booklet for
Yxy(86.7305, 0.2639, 0.3304)
contains.

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Color

Yxy(86.7827, 0.2638, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFFE
RGB	166, 255, 254
RGB Percent	65%, 100%, 100%
CMY	0.3486, 0.0001, 0.0038
CMYK	0.35, 0.00, 0.00, 0.00
HSL	179°, 100%, 83%
HSV	179°, 35%, 100%
XYZ	69.3946, 86.7827, 106.8803
YIQ	228.2750, -52.7230, -19.1790

Conversions

Conversions Part 2

Format	Color
RYB	166, 211, 255
Decimal	10944510
CIELab	94.65, -26.69, -8.00
CIElCh	95, 27.867, 196.677
Yxy	86.7827, 0.2638, 0.3299
Android (android.graphics.Color)	4289134590 (0xFFA6FFFE)
YUV	228.2750, 12.6824, -54.6152
Hunter-Lab	93.1572, -30.0571, -2.8140

Details

The Yxy color **86.7827, 0.2638, 0.3299** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3610, 0.3954, 0.3282**, and the grayscale version is **77.7485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **47.6706, 0.2534, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **84.2784, 0.2528, 0.3302**, and if you desaturate by 10%, it is **89.8402, 0.2764, 0.3296**.

Distribution



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



- Red (65%)
- Yellow (83%)
- Blue (100%)



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



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7827, 0.2638, 0.3299 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 86.7827, 0.2638, 0.3299 by changing the saturation by 10% instead.


 86.7827, 0.2638,
0.3299

 86.7827, 0.2638,
0.3299

517.5086, 0.2854,
0.3299

 65.3154, 0.2591,
0.3298


 142.8612, 0.2711,
0.3300

 47.7169, 0.2534,
0.3297

178.2412, 0.2740,
0.3300

 33.6027, 0.2464,
0.3294


219.0276, 0.2765,
0.3300

 22.5886, 0.2375,
0.3290

265.6047, 0.2787,
0.3300

 14.2900, 0.2259,
0.3283

318.3570, 0.2807,
0.3300

 8.3226, 0.2101,
0.3269

377.6688, 0.2824,

 4.3021, 0.1877,

0.3299

0.3242

443.9245, 0.2840,
0.3299

■ 1.8439, 0.1535,
0.3180

■ 0.5143, 0.0000,
0.3133

■ 86.7827, 0.2638,
0.3299

■ 86.7827, 0.2638,
0.3299

■ 84.2784, 0.2528,
0.3302

■ 89.8402, 0.2764,
0.3296

■ 82.2847, 0.2436,
0.3305

■ 93.4705, 0.2903,
0.3293

■ 80.7691, 0.2363,
0.3309

■ 97.7045, 0.3052,
0.3291

■ 79.6911, 0.2311,
0.3312

99.9901, 0.3127,
0.3290

■ 79.0037, 0.2277,
0.3316

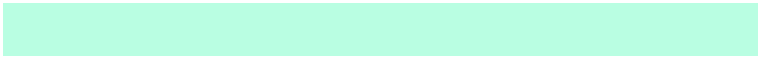
■ 78.6488, 0.2260,
0.3319

■ 78.5534, 0.2256,
0.3321

Harmonies

Analogous

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



86.7827, 0.2868, 0.3597



86.7827, 0.2638, 0.3299



86.7827, 0.2536, 0.3017

Triad

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



86.7827, 0.2638, 0.3299



86.7827, 0.3053, 0.2835



86.7827, 0.3696, 0.3736

Complementary

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



86.7827, 0.2638, 0.3299



51.3610, 0.3954, 0.3282

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.



86.7827, 0.3757, 0.3513



86.7827, 0.2638, 0.3299



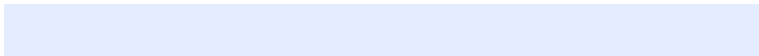
86.7827, 0.3375, 0.3008

Square

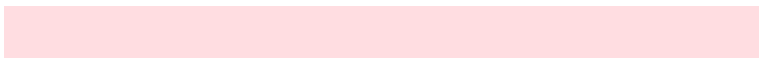
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7827, 0.2638, 0.3299



86.7827, 0.2766, 0.2769



86.7827, 0.3638, 0.3250



86.7827, 0.3480, 0.3852

Rectangle

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



86.7827, 0.2638, 0.3299



86.7827, 0.2550, 0.2878



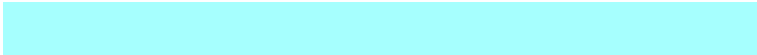
86.7827, 0.3638, 0.3250



86.7827, 0.3736, 0.3670

Sweetspot

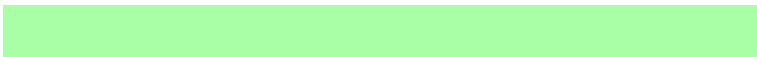
The Sweet Spot groups the original color and five complimentary colors.



86.7861, 0.2638, 0.3299



95.4627, 0.2974, 0.3292



82.5469, 0.3086, 0.4339



20.3072, 0.2953, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

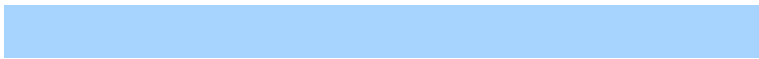
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7861, 0.2638, 0.3299



84.9525, 0.2558, 0.3301



62.4382, 0.2567, 0.2795



20.4779, 0.2982, 0.3292



41.0531, 0.2256, 0.3320



3.9982, 0.2255, 0.3316

Inverse Universe

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



51.3610, 0.3954, 0.3282



44.5801, 0.4213, 0.3281



69.6468, 0.3806, 0.3736



17.9903, 0.3293, 0.3288



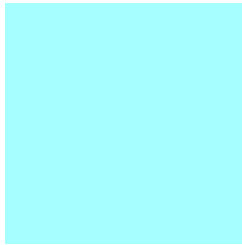
11.1133, 0.6390, 0.3294



1.0831, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 86.7827, 0.2638, 0.3299 looks on a white background.

Color Contrast Check

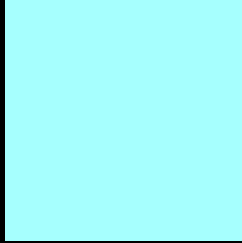
Large Text (above 18pt) WCAG AA × Fail

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 86.7827, 0.2638, 0.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

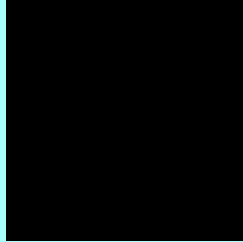
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

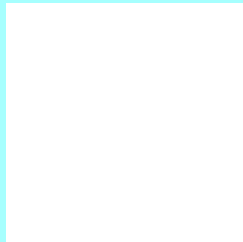
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7827, 0.2638, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 86.7827, 0.2638, 0.3299.

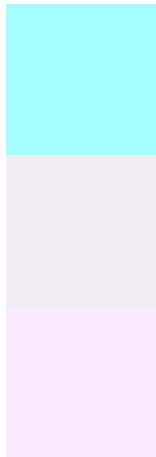


This preview shows how white text looks on a background with the Yxy color 86.7827, 0.2638, 0.3299.

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

86.7827, 0.2638, 0.3299

Protanopia

85.7402, 0.3117, 0.3230

Deuteranopia

85.8218, 0.3104, 0.3076



Tritanopia

86.2265, 0.2855, 0.3185

Trichromacy



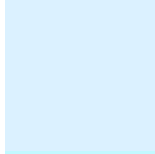
Original Color

86.7827, 0.2638, 0.3299



Protanomaly

85.7129, 0.2922, 0.3258



Deuteranomaly

85.1907, 0.2907, 0.3146



Tritanomaly

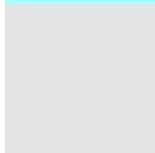
86.4407, 0.2768, 0.3225

Monochromacy



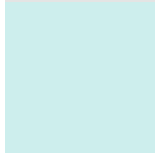
Original Color

86.7827, 0.2638, 0.3299



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2426, 0.2922, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7827, 0.2638, 0.3299 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 86.7827, 0.2638, 0.3299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

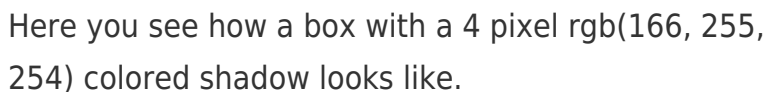
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 255, 254) }
```

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

```
.border{ border-color:rgb(166, 255, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7827, 0.2638, 0.3299 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, 254) }
```

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

```
.background{ background-color: rgb(166,  
255, 254) }
```

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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