

Converting Colors

$Yxy(86.2915, 0.2675, 0.3387)$

Have a look what the booklet for
Yxy(86.2915, 0.2675, 0.3387)
contains.

Yxy(86.2808, 0.2675, 0.3388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.2808, 0.2675, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFF6
RGB	166, 255, 246
RGB Percent	65%, 100%, 96%
CMY	0.3490, 0.0000, 0.0352
CMYK	0.35, 0.00, 0.04, 0.00
HSL	174°, 100%, 83%
HSV	174°, 35%, 100%
XYZ	68.1231, 86.2808, 100.2620
YIQ	227.3630, -50.1550, -21.6670

Conversions

Conversions Part 2

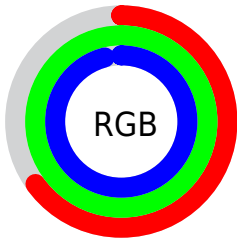
Format	Color
R _Y B	166, 213, 255
Decimal	10944502
CIE Lab	94.43, -28.54, -4.18
CIE LCh	94, 28.844, 188.323
Yxy	86.2808, 0.2675, 0.3388
Android (android.graphics.Color)	4289134582 (0xFFA6FFF6)
YUV	227.3630, 9.1880, -53.8154
Hunter-Lab	92.8875, -31.6422, 1.0241

Details

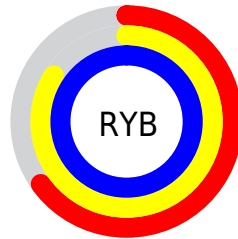
The Yxy color **86.2808, 0.2675, 0.3388** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6316, 0.3878, 0.3198**, and the grayscale version is **77.0562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **47.4209, 0.2578, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **83.6376, 0.2573, 0.3421**, and if you desaturate by 10%, it is **89.4767, 0.2792, 0.3357**.

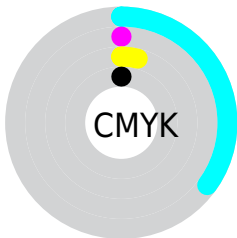
Distribution



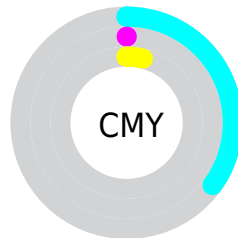
- Red (65%)
- Green (100%)
- Blue (96%)



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



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2808, 0.2675, 0.3388 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 86.2808, 0.2675, 0.3388 by changing the saturation by 10% instead.


 86.2808, 0.2675,
0.3388


 86.2808, 0.2675,
0.3388


515.8567, 0.2876,
0.3347

 64.9002, 0.2631,
0.3397


 142.1613, 0.2743,
0.3374

 47.3802, 0.2578,
0.3407


 177.4299, 0.2770,
0.3369

 33.3363, 0.2511,
0.3419


218.0967, 0.2793,
0.3364

 22.3842, 0.2427,
0.3434

264.5461, 0.2814,
0.3360

 14.1395, 0.2317,
0.3453

317.1623, 0.2832,
0.3356

 8.2177, 0.2166,
0.3477

376.3299, 0.2848,

 4.2346, 0.1949,

0.3352

0.3506

442.4332, 0.2863,
0.3349

■ 1.8056, 0.1611,
0.3540

■ 0.4907, 0.0000,
0.3726

■ 86.2808, 0.2675,
0.3388

■ 86.2808, 0.2675,
0.3388

■ 83.6376, 0.2573,
0.3421

■ 89.4767, 0.2792,
0.3357

■ 81.5084, 0.2487,
0.3454

■ 93.2488, 0.2920,
0.3328

■ 79.8593, 0.2421,
0.3489

■ 97.6269, 0.3058,
0.3302

■ 78.6499, 0.2374,
0.3524

100.0000, 0.3127,
0.3290

■ 77.8330, 0.2346,
0.3560

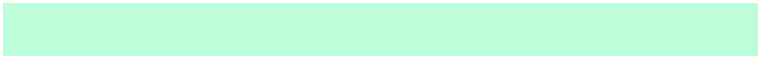
■ 77.3506, 0.2337,
0.3594

■ 77.1911, 0.2337,
0.3612

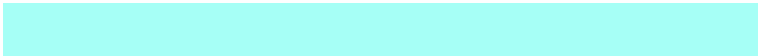
Harmonies

Analogous

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



86.2808, 0.2942, 0.3683



86.2808, 0.2675, 0.3388



86.2808, 0.2530, 0.3080

Triad

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



86.2808, 0.2675, 0.3388



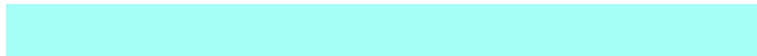
86.2808, 0.2960, 0.2788



86.2808, 0.3753, 0.3695

Complementary

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



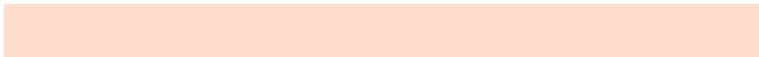
86.2808, 0.2675, 0.3388



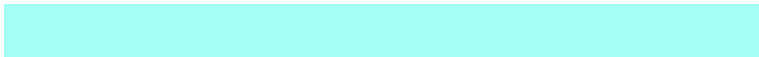
51.6316, 0.3878, 0.3198

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.



86.2808, 0.3764, 0.3445



86.2808, 0.2675, 0.3388



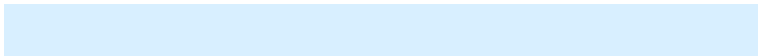
86.2808, 0.3293, 0.2939

Square

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



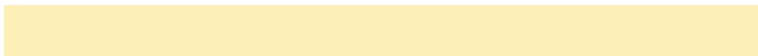
86.2808, 0.2675, 0.3388



86.2808, 0.2687, 0.2754



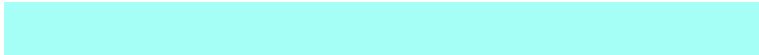
86.2808, 0.3593, 0.3174



86.2808, 0.3568, 0.3854

Rectangle

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



86.2808, 0.2675, 0.3388



86.2808, 0.2515, 0.2916



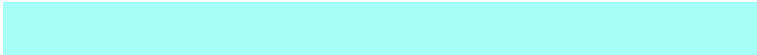
86.2808, 0.3593, 0.3174



86.2808, 0.3778, 0.3618

Sweetspot

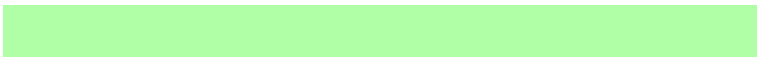
The Sweet Spot groups the original color and five complimentary colors.



86.2829, 0.2675, 0.3388



95.3156, 0.2987, 0.3315



83.5496, 0.3139, 0.4325



20.2713, 0.2968, 0.3319



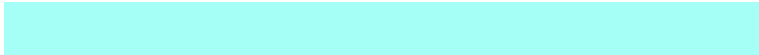
0.0000, 0.0000, 0.0000



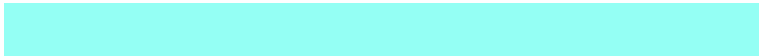
21.4041, 0.3127, 0.3290

Same Dimension

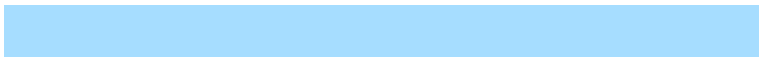
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2829, 0.2675, 0.3388



84.3495, 0.2601, 0.3411



66.9818, 0.2581, 0.2900



20.4480, 0.2994, 0.3314



40.3469, 0.2335, 0.3606



3.9372, 0.2324, 0.3566

Inverse Universe

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



51.6316, 0.3878, 0.3198



44.9018, 0.4110, 0.3179



65.3794, 0.3838, 0.3647



18.0169, 0.3278, 0.3266



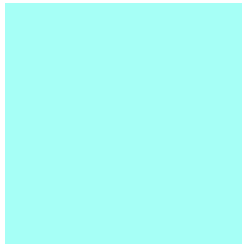
11.1569, 0.6287, 0.3237



1.0957, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 86.2808, 0.2675, 0.3388 looks on a white background.

Color Contrast Check

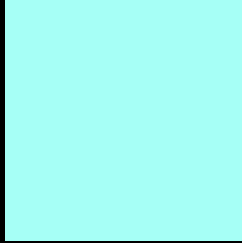
Large Text (above 18pt) WCAG AA × Fail

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 86.2808, 0.2675, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

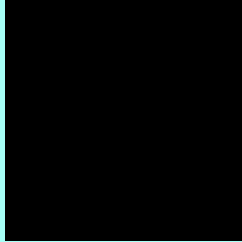
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

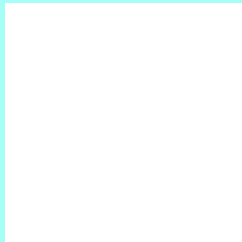
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2808, 0.2675, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 86.2808, 0.2675, 0.3388.

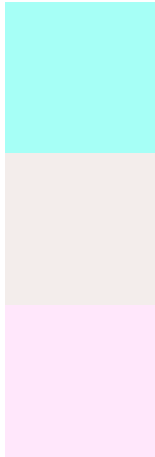


This preview shows how white text looks on a background with the Yxy color 86.2808, 0.2675, 0.3388.

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

86.2808, 0.2675, 0.3388

Protanopia

85.6212, 0.3180, 0.3310

Deuteranopia

85.3769, 0.3163, 0.3096



Tritanopia

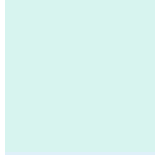
86.0801, 0.2849, 0.3185

Trichromacy



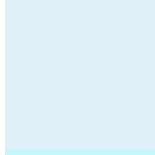
Original Color

86.2808, 0.2675, 0.3388



Protanomaly

85.3804, 0.2973, 0.3342



Deuteranomaly

84.8477, 0.2965, 0.3197



Tritanomaly

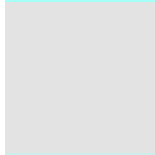
86.1171, 0.2778, 0.3257

Monochromacy



Original Color

86.2808, 0.2675, 0.3388



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4880, 0.2939, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2808, 0.2675, 0.3388 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 86.2808, 0.2675, 0.3388 is called "border". The border property can be set on classes, ids or directly on the HTML element.

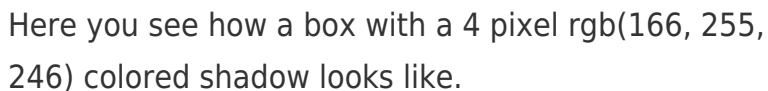
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 255, 246) }
```

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

```
.border{ border-color:rgb(166, 255, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 255, 246); box-shadow:4px 4px 4px 4px rgb(166, 255, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2808, 0.2675, 0.3388 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, 246) }
```

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

```
.background{ background-color: rgb(166,  
255, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor