

Converting Colors

$Yxy(86.9236, 0.2685, 0.3360)$

Have a look what the booklet for
Yxy(86.9236, 0.2685, 0.3360)
contains.

Yxy(86.9552, 0.2690, 0.3365)	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(86.9552, 0.2690, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFF8
RGB	171, 255, 248
RGB Percent	67%, 100%, 97%
CMY	0.3291, 0.0000, 0.0274
CMYK	0.33, 0.00, 0.03, 0.00
HSL	175°, 100%, 84%
HSV	175°, 33%, 100%
XYZ	69.5125, 86.9552, 101.9430
YIQ	229.0860, -47.8170, -19.9850

Conversions

Conversions Part 2

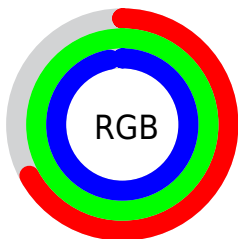
Format	Color
RYB	171, 215, 255
Decimal	11272184
CIELab	94.72, -26.76, -4.76
CIElCh	95, 27.176, 190.092
Yxy	86.9552, 0.2690, 0.3365
Android (android.graphics.Color)	4289462264 (0xFFABFFF8)
YUV	229.0860, 9.3246, -50.9414
Hunter-Lab	93.2498, -30.1254, 0.4575

Details

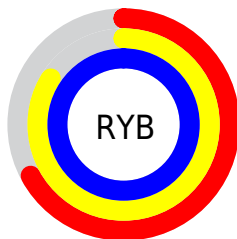
The Yxy color **86.9552, 0.2690, 0.3365** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.6300, 0.3832, 0.3219**, and the grayscale version is **78.3923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **47.8388, 0.2594, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **84.2337, 0.2583, 0.3391**, and if you desaturate by 10%, it is **90.2375, 0.2811, 0.3340**.

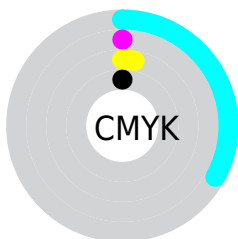
Distribution



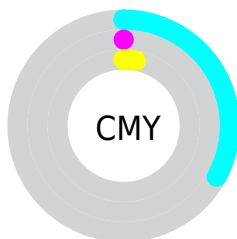
- Red (67%)
- Green (100%)
- Blue (97%)



- Red (67%)
- Yellow (84%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9552, 0.2690, 0.3365 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 86.9552, 0.2690, 0.3365 by changing the saturation by 10% instead.

 86.9552, 0.2690,
0.3365

 86.9552, 0.2690,
0.3365

518.0756, 0.2884,
0.3334

 65.4581, 0.2648,
0.3371


 143.1017, 0.2756,
0.3355

 47.8327, 0.2596,
0.3379

178.5199, 0.2782,
0.3351

 33.6944, 0.2533,
0.3387

219.3473, 0.2804,
0.3347

 22.6589, 0.2452,
0.3398

265.9683, 0.2824,
0.3344

 14.3419, 0.2346,
0.3411

318.7672, 0.2842,
0.3341

 8.3588, 0.2201,
0.3426

378.1284, 0.2857,

 4.3254, 0.1992,

0.3338

0.3443

444.4365, 0.2871,
0.3336

■ 1.8572, 0.1669,
0.3457

■ 0.5225, 0.0000,
0.3668

■ 86.9552, 0.2690,
0.3365

■ 86.9552, 0.2690,
0.3365

■ 84.2337, 0.2583,
0.3391

■ 90.2375, 0.2811,
0.3340

■ 82.0308, 0.2493,
0.3419


■ 94.0995, 0.2944,
0.3317


■ 80.3147, 0.2421,
0.3447

■ 98.5720, 0.3085,
0.3296

■ 79.0461, 0.2369,
0.3476

99.9932, 0.3127,
0.3290

 78.1794, 0.2336,
0.3504

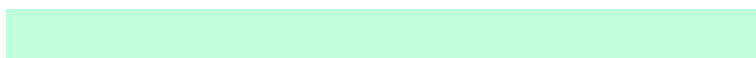
 77.6591, 0.2322,
0.3532

 77.4431, 0.2320,
0.3552

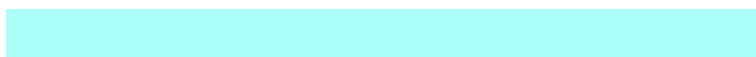
Harmonies

Analogous

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



86.9552, 0.2937, 0.3644



86.9552, 0.2690, 0.3365



86.9552, 0.2560, 0.3079

Triad

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



86.9552, 0.2690, 0.3365



86.9552, 0.2988, 0.2822



86.9552, 0.3709, 0.3684

Complementary

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



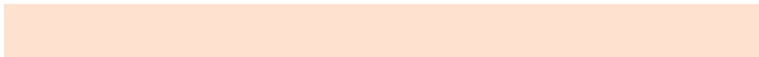
86.9552, 0.2690, 0.3365



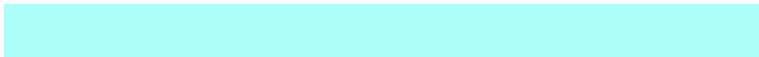
53.6300, 0.3832, 0.3219

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.



86.9552, 0.3730, 0.3453



86.9552, 0.2690, 0.3365



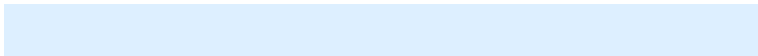
86.9552, 0.3302, 0.2971

Square

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



86.9552, 0.2690, 0.3365



86.9552, 0.2725, 0.2783



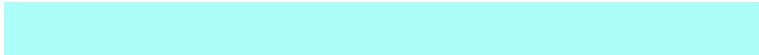
86.9552, 0.3578, 0.3196



86.9552, 0.3528, 0.3825

Rectangle

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



86.9552, 0.2690, 0.3365



86.9552, 0.2552, 0.2928



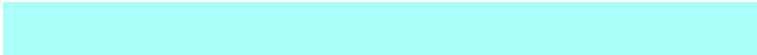
86.9552, 0.3578, 0.3196



86.9552, 0.3736, 0.3614

Sweetspot

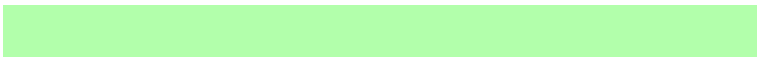
The Sweet Spot groups the original color and five complimentary colors.



86.9587, 0.2690, 0.3365



95.3447, 0.2984, 0.3311



83.9300, 0.3122, 0.4262



20.2784, 0.2965, 0.3314



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

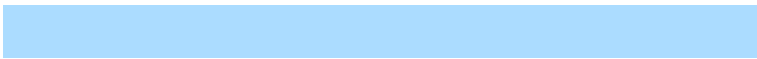
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9587, 0.2690, 0.3365



85.2425, 0.2623, 0.3381



67.0866, 0.2607, 0.2893



20.4539, 0.2991, 0.3310



40.4804, 0.2319, 0.3548



3.9488, 0.2310, 0.3515

Inverse Universe

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



53.6300, 0.3832, 0.3219



47.5596, 0.4026, 0.3206



68.3640, 0.3778, 0.3654



18.0115, 0.3281, 0.3271



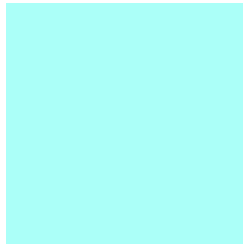
11.1459, 0.6312, 0.3251



1.0932, 0.6128, 0.3149

Previews

White Background



This preview shows how the Yxy color 86.9552, 0.2690, 0.3365 looks on a white background.

Color Contrast Check

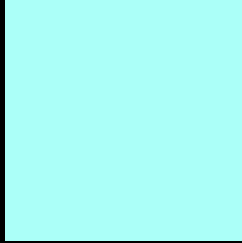
Large Text (above 18pt) WCAG AA × Fail

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 86.9552, 0.2690, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

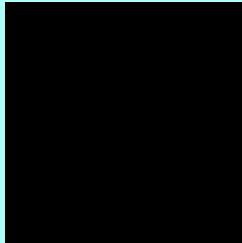
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

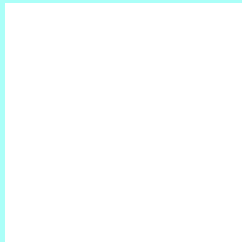
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9552, 0.2690, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 86.9552, 0.2690, 0.3365.

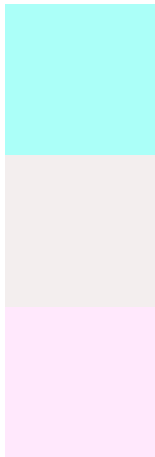


This preview shows how white text looks on a background with the Yxy color 86.9552, 0.2690, 0.3365.

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

86.9552, 0.2690, 0.3365

Protanopia

86.3768, 0.3160, 0.3290

Deuteranopia

86.0015, 0.3156, 0.3096



Tritanopia

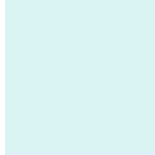
86.5219, 0.2867, 0.3186

Trichromacy



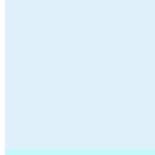
Original Color

86.9552, 0.2690, 0.3365



Protanomaly

85.8639, 0.2968, 0.3310



Deuteranomaly

85.1325, 0.2960, 0.3177



Tritanomaly

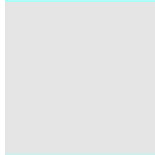
86.6500, 0.2800, 0.3257

Monochromacy



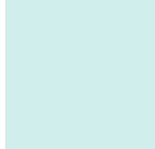
Original Color

86.9552, 0.2690, 0.3365



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.6151, 0.2946, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9552, 0.2690, 0.3365 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(171, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 248)  
}
```

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(171, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 86.9552, 0.2690, 0.3365 is called "border". The border property can be set on classes, ids or directly on the HTML element.

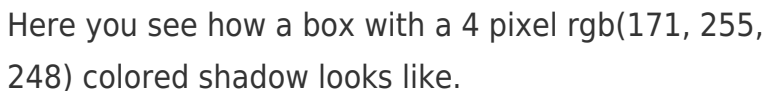
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 255, 248) }
```

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

```
.border{ border-color:rgb(171, 255, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 248); box-shadow:4px 4px 4px 4px rgb(171, 255, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9552, 0.2690, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 248) }
```

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

```
.background{ background-color: rgb(171,  
255, 248) }
```

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