

Converting Colors

$Yxy(84.7989, 0.2663, 0.3474)$

Have a look what the booklet for
Yxy(84.7989, 0.2663, 0.3474)
contains.

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Color

Yxy(84.8199, 0.2661, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFEF
RGB	156, 255, 239
RGB Percent	61%, 100%, 94%
CMY	0.3879, 0.0000, 0.0626
CMYK	0.39, 0.00, 0.06, 0.00
HSL	170°, 100%, 81%
HSV	170°, 39%, 100%
XYZ	65.0636, 84.8199, 94.6247
YIQ	223.5750, -53.8680, -25.9640

Conversions

Conversions Part 2

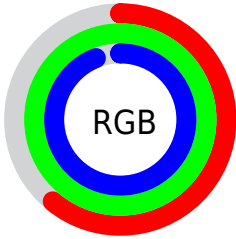
Format	Color
RYB	156, 210, 255
Decimal	10289135
CIELab	93.81, -32.64, -1.54
CIELCh	94, 32.676, 182.699
Yxy	84.8199, 0.2661, 0.3469
Android (android.graphics.Color)	4288479215 (0xFF9CFFEF)
YUV	223.5750, 7.6045, -59.2633
Hunter-Lab	92.0977, -35.0674, 3.5516

Details

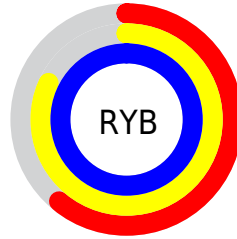
The Yxy color **84.8199, 0.2661, 0.3469** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.0403, 0.3941, 0.3124**, and the grayscale version is **74.2103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **46.4597, 0.2561, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **82.2989, 0.2570, 0.3523**, and if you desaturate by 10%, it is **87.8872, 0.2767, 0.3418**.

Distribution



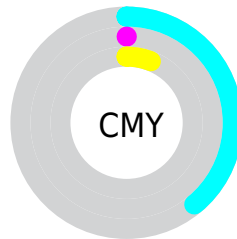
- Red (61%)
- Green (100%)
- Blue (94%)



- Red (61%)
- Yellow (82%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8199, 0.2661, 0.3469 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 84.8199, 0.2661, 0.3469 by changing the saturation by 10% instead.


 84.8199, 0.2661,
0.3469


 84.8199, 0.2661,
0.3469


511.0319, 0.2869,
0.3390

 63.6926, 0.2615,
0.3486


 140.1215, 0.2732,
0.3442

 46.4017, 0.2559,
0.3507


 175.0646, 0.2760,
0.3432

 32.5629, 0.2490,
0.3533


215.3817, 0.2784,
0.3422

 21.7918, 0.2401,
0.3566

261.4573, 0.2805,
0.3414

 13.7040, 0.2285,
0.3608

313.6757, 0.2824,
0.3407

 7.9151, 0.2124,
0.3666

372.4214, 0.2841,

 4.0407, 0.1891,

0.3401

0.3748

438.0787, 0.2856,
0.3395

1.6963, 0.1501,
0.3882

0.4213, 0.0000,
0.4266

84.8199, 0.2661,
0.3469

84.8199, 0.2661,
0.3469

82.2989, 0.2570,
0.3523

87.8872, 0.2767,
0.3418

80.2803, 0.2496,
0.3580


91.5215, 0.2884,
0.3370


78.7300, 0.2442,
0.3638


95.7545, 0.3011,
0.3326

77.6052, 0.2407,
0.3696

99.9942, 0.3127,
0.3290

 76.8551, 0.2392,
0.3754

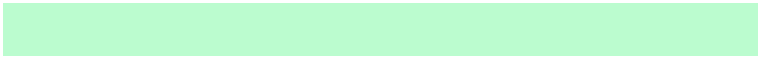
 76.4065, 0.2393,
0.3812

 76.3612, 0.2394,
0.3819

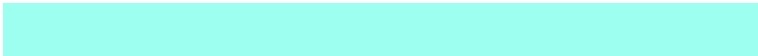
Harmonies

Analogous

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



84.8199, 0.2982, 0.3793



84.8199, 0.2661, 0.3469



84.8199, 0.2469, 0.3109

Triad

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



84.8199, 0.2661, 0.3469



84.8199, 0.2870, 0.2705



84.8199, 0.3859, 0.3698

Complementary

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



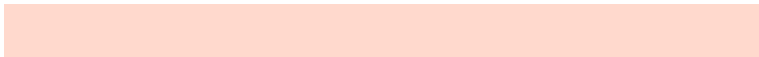
84.8199, 0.2661, 0.3469



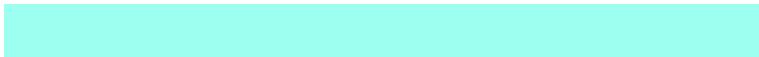
48.0403, 0.3941, 0.3124

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.



84.8199, 0.3833, 0.3404



84.8199, 0.2661, 0.3469



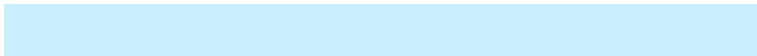
84.8199, 0.3242, 0.2853

Square

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



84.8199, 0.2661, 0.3469



84.8199, 0.2584, 0.2692



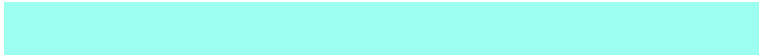
84.8199, 0.3602, 0.3102



84.8199, 0.3679, 0.3909

Rectangle

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



84.8199, 0.2661, 0.3469



84.8199, 0.2432, 0.2909



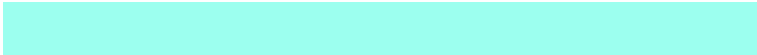
84.8199, 0.3602, 0.3102



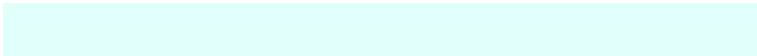
84.8199, 0.3875, 0.3605

Sweetspot

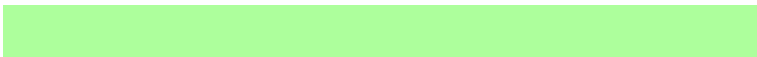
The Sweet Spot groups the original color and five complimentary colors.



84.8233, 0.2661, 0.3469



94.3373, 0.2969, 0.3339



82.7513, 0.3167, 0.4449



20.0718, 0.2953, 0.3345



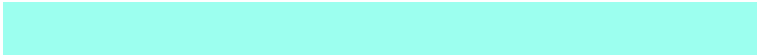
0.0000, 0.0000, 0.0000



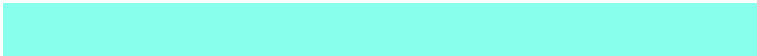
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8233, 0.2661, 0.3469



82.7197, 0.2585, 0.3513



66.5474, 0.2530, 0.2908



20.4281, 0.3002, 0.3329



39.9224, 0.2391, 0.3809



3.9000, 0.2373, 0.3743

Inverse Universe

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



48.0403, 0.3941, 0.3124



40.9793, 0.4210, 0.3092



60.0764, 0.3963, 0.3637



18.0349, 0.3269, 0.3252



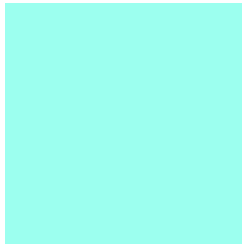
11.2070, 0.6174, 0.3175



1.1042, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 84.8199, 0.2661, 0.3469 looks on a white background.

Color Contrast Check

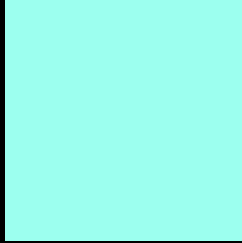
Large Text (above 18pt) WCAG AA × Fail

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 84.8199, 0.2661, 0.3469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

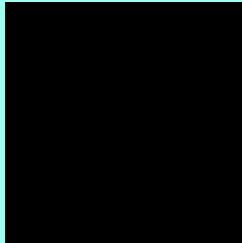
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8199, 0.2661, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 84.8199, 0.2661, 0.3469.

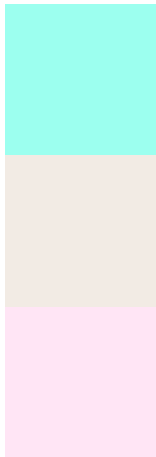


This preview shows how white text looks on a background with the Yxy color 84.8199, 0.2661, 0.3469.

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

84.8199, 0.2661, 0.3469

Protanopia

83.8953, 0.3219, 0.3361

Deuteranopia

83.8912, 0.3203, 0.3134



Tritanopia

84.4779, 0.2808, 0.3173

Trichromacy



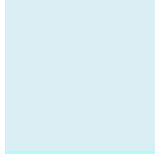
Original Color

84.8199, 0.2661, 0.3469



Protanomaly

83.1793, 0.2988, 0.3396



Deuteranomaly

82.6802, 0.2974, 0.3237



Tritanomaly

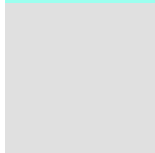
84.2886, 0.2749, 0.3278

Monochromacy



Original Color

84.8199, 0.2661, 0.3469



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.2159, 0.2929, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8199, 0.2661, 0.3469 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(156, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 239)  
}
```

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(156, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 84.8199, 0.2661, 0.3469 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(156, 255, 239) }
```

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

```
.border{ border-color:rgb(156, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8199, 0.2661, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 239) }
```

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

```
.background{ background-color: rgb(156,  
255, 239) }
```

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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