

Converting Colors

$Yxy(87.1846, 0.2812, 0.3220)$

Have a look what the booklet for
Yxy(87.1846, 0.2812, 0.3220)
contains.

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Color

Yxy(86.9114, 0.2811, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	CAF8FF
RGB	202, 248, 255
RGB Percent	79%, 97%, 100%
CMY	0.2080, 0.0274, 0.0000
CMYK	0.21, 0.03, 0.00, 0.00
HSL	188°, 100%, 90%
HSV	188°, 21%, 100%
XYZ	75.9664, 86.9114, 107.3691
YIQ	235.0440, -29.6630, -7.5750

Conversions

Conversions Part 2

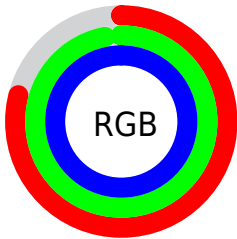
Format	Color
R _Y B	202, 227, 255
Decimal	13302015
CIE Lab	94.70, -13.14, -8.21
CIE LCh	95, 15.495, 211.975
Yxy	86.9114, 0.2811, 0.3216
Android (android.graphics.Color)	4291492095 (0xFFCAF8FF)
YUV	235.0440, 9.8383, -28.9796
Hunter-Lab	93.2263, -17.6934, -3.0261

Details

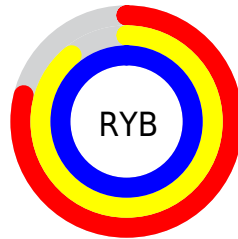
The Yxy color **86.9114, 0.2811, 0.3216** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.0952, 0.3532, 0.3363**, and the grayscale version is **83.0513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9795, 0.2746, 0.3208** is the 20% darker color. If you saturate the color by 10%, you get **81.6030, 0.2670, 0.3176**, and if you desaturate by 10%, it is **92.8515, 0.2960, 0.3253**.

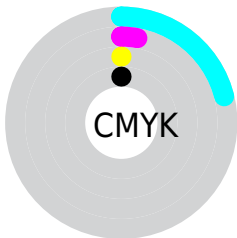
Distribution



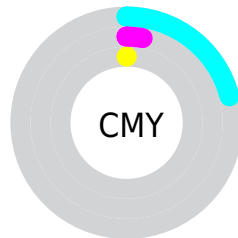
- Red (79%)
- Green (97%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9114, 0.2811, 0.3216 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 86.9114, 0.2811, 0.3216 by changing the saturation by 10% instead.

86.9114, 0.2811,
0.3216

86.9114, 0.2811,
0.3216

517.9317, 0.2951,
0.3251

65.4219, 0.2780,
0.3208

143.0406, 0.2859,
0.3228

47.8033, 0.2743,
0.3198

178.4492, 0.2877,
0.3233

33.6711, 0.2697,
0.3185

219.2661, 0.2894,
0.3237

22.6411, 0.2638,
0.3168

265.8760, 0.2908,
0.3241

14.3287, 0.2561,
0.3145

318.6630, 0.2921,
0.3244

8.3496, 0.2455,
0.3111

378.0118, 0.2932,

4.3195, 0.2301,

0.3246

0.3058

444.3065, 0.2942,
0.3249

■ 1.8538, 0.2059,
0.2965

■ 0.5204, 0.0942,
0.2820

■ 86.9114, 0.2811,
0.3216

■ 86.9114, 0.2811,
0.3216

■ 81.6030, 0.2670,
0.3176

■ 92.8515, 0.2960,
0.3253

■ 76.8867, 0.2541,
0.3133

99.4396, 0.3115,
0.3287

■ 72.7345, 0.2426,
0.3089

99.9993, 0.3127,
0.3290

■ 69.1118, 0.2329,
0.3042

■ 65.9801, 0.2250,
0.2996

■ 63.2950, 0.2191,
0.2949

■ 61.0037, 0.2151,
0.2902

■ 59.1653, 0.2128,
0.2860

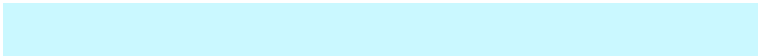
Harmonies

Analogous

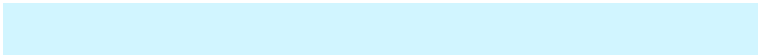
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9114, 0.2910, 0.3380



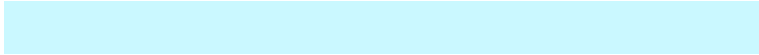
86.9114, 0.2811, 0.3216



86.9114, 0.2795, 0.3079

Triad

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



86.9114, 0.2811, 0.3216



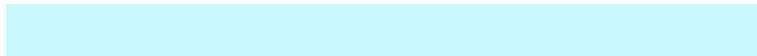
86.9114, 0.3181, 0.3074



86.9114, 0.3393, 0.3582

Complementary

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



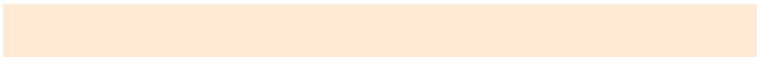
86.9114, 0.2811, 0.3216



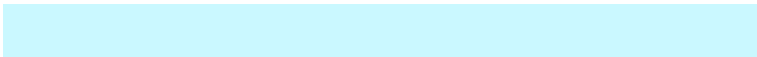
71.0952, 0.3532, 0.3363

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.



86.9114, 0.3471, 0.3489



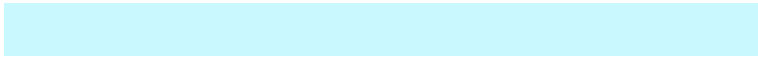
86.9114, 0.2811, 0.3216



86.9114, 0.3347, 0.3199

Square

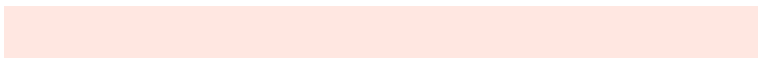
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9114, 0.2811, 0.3216



86.9114, 0.3004, 0.3003



86.9114, 0.3454, 0.3349



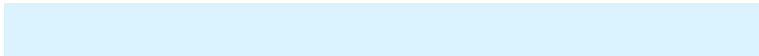
86.9114, 0.3244, 0.3595

Rectangle

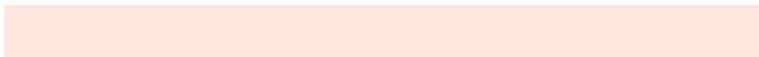
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



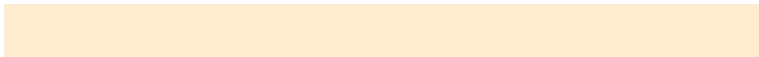
86.9114, 0.2811, 0.3216



86.9114, 0.2832, 0.3021



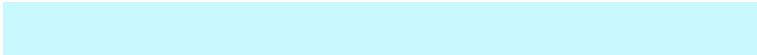
86.9114, 0.3454, 0.3349



86.9114, 0.3428, 0.3558

Sweetspot

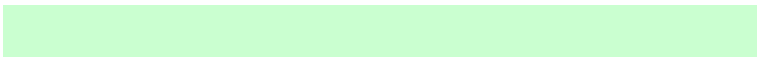
The Sweet Spot groups the original color and five complimentary colors.



86.9150, 0.2811, 0.3216



95.9352, 0.3034, 0.3270



88.6274, 0.3066, 0.3800



20.4425, 0.3024, 0.3268



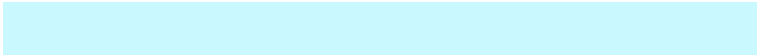
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



86.9150, 0.2811, 0.3216



84.6136, 0.2751, 0.3199



72.1707, 0.2792, 0.2938



20.0496, 0.2980, 0.3258



31.0769, 0.2130, 0.2867



3.1343, 0.2145, 0.2920

Inverse Universe

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



70.2632, 0.3200, 0.2836



65.3222, 0.3218, 0.2742



84.7460, 0.3481, 0.3619



18.2568, 0.3158, 0.3086



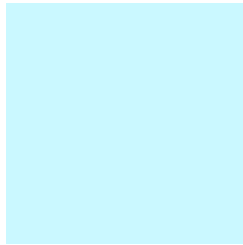
13.8652, 0.3573, 0.1742



1.3610, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 86.9114, 0.2811, 0.3216 looks on a white background.

Color Contrast Check

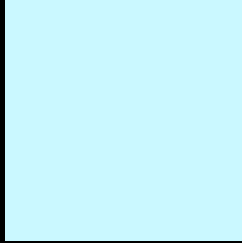
Large Text (above 18pt) WCAG AA × Fail

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 86.9114, 0.2811, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

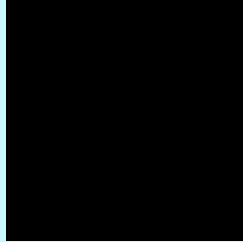
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.9114, 0.2811, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 86.9114, 0.2811, 0.3216.

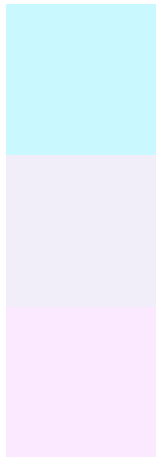


This preview shows how white text looks on a background with the Yxy color 86.9114, 0.2811, 0.3216.

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

86.9114, 0.2811, 0.3216

Protanopia

86.6894, 0.3080, 0.3180

Deuteranopia

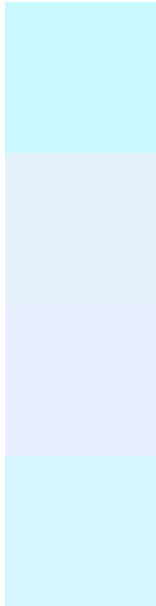
86.5749, 0.3110, 0.3086



Tritanopia

86.5368, 0.2913, 0.3167

Trichromacy



Original Color

86.9114, 0.2811, 0.3216

Protanomaly

86.8002, 0.2979, 0.3198

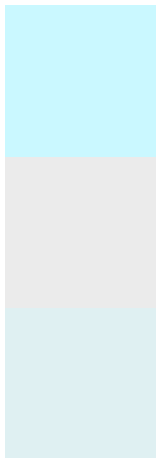
Deuteranomaly

86.2766, 0.2993, 0.3129

Tritanomaly

86.6709, 0.2873, 0.3186

Monochromacy



Original Color

86.9114, 0.2811, 0.3216

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.4190, 0.3006, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9114, 0.2811, 0.3216 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(202, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 248, 255)  
}
```

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(202, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.9114, 0.2811, 0.3216 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(202, 248, 255) }
```

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

```
.border{ border-color:rgb(202, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9114, 0.2811, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 248, 255) }
```

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

```
.background{ background-color: rgb(202,  
248, 255) }
```

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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