

# Converting Colors

$Yxy(88.3774, 0.2630, 0.2946)$

Have a look what the booklet for  
Yxy(88.3774, 0.2630, 0.2946)  
contains.

<b>Yxy(86.4407, 0.2768, 0.3225)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(86.4407, 0.2768, 0.3225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F9FF
RGB	194, 249, 255
RGB Percent	76%, 98%, 100%
CMY	0.2389, 0.0236, 0.0000
CMYK	0.24, 0.02, 0.00, 0.00
HSL	186°, 100%, 88%
HSV	186°, 24%, 100%
XYZ	74.1916, 86.4407, 107.4009
YIQ	233.2390, -34.7060, -9.7940

# Conversions

## Conversions Part 2

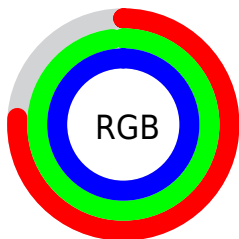
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 223, 255
Decimal	12777983
CIELab	94.50, -15.92, -8.57
CIElCh	95, 18.083, 208.290
Yxy	86.4407, 0.2768, 0.3225
Android (android.graphics.Color)	4290968063 (0xFFC2F9FF)
YUV	233.2390, 10.7282, -34.4126
Hunter-Lab	92.9735, -20.2630, -3.4090

# Details

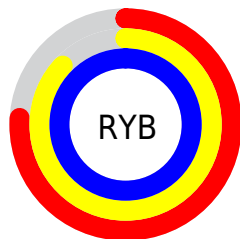
The Yxy color **86.4407, 0.2768, 0.3225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.5115, 0.3613, 0.3354**, and the grayscale version is **81.6241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **47.2655, 0.2692, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **81.8056, 0.2633, 0.3195**, and if you desaturate by 10%, it is **91.6796, 0.2914, 0.3254**.

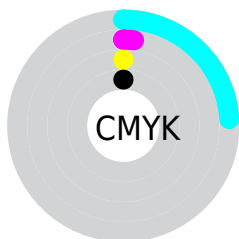
# Distribution



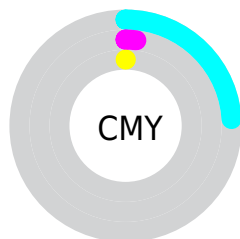
- Red (76%)
- Green (98%)
- Blue (100%)



- Red (76%)
- Yellow (87%)
- Blue (100%)



- Cyan (24%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4407, 0.2768, 0.3225 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 86.4407, 0.2768, 0.3225 by changing the saturation by 10% instead.



 86.4407, 0.2768,  
0.3225

 86.4407, 0.2768,  
0.3225


516.3832, 0.2927,  
0.3257

 65.0325, 0.2733,  
0.3218


 142.3843, 0.2822,  
0.3236

 47.4874, 0.2691,  
0.3208


177.6885, 0.2843,  
0.3240

 33.4211, 0.2639,  
0.3196


218.3934, 0.2862,  
0.3244

 22.4493, 0.2572,  
0.3180

264.8835, 0.2878,  
0.3247

 14.1874, 0.2485,  
0.3158

317.5431, 0.2893,  
0.3250

 8.2511, 0.2365,  
0.3125

376.7567, 0.2905,

 4.2560, 0.2192,

0.3252

0.3073

442.9086, 0.2917,  
0.3255

■ 1.8178, 0.1922,  
0.2978

■ 0.4982, 0.0489,  
0.2870

■ 86.4407, 0.2768,  
0.3225

■ 86.4407, 0.2768,  
0.3225

■ 81.8056, 0.2633,  
0.3195

■ 91.6796, 0.2914,  
0.3254

■ 77.7387, 0.2511,  
0.3162

■ 97.5439, 0.3066,  
0.3280

■ 74.2097, 0.2405,  
0.3129

100.0000, 0.3127,  
0.3290

■ 71.1832, 0.2318,  
0.3094

■ 68.6191, 0.2249,  
0.3060

■ 66.4709, 0.2201,  
0.3025

■ 64.6820, 0.2171,  
0.2991

■ 63.7163, 0.2159,  
0.2971

# Harmonies

## Analogous

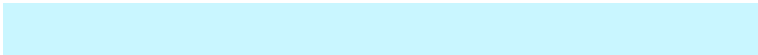
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4407, 0.2892, 0.3418



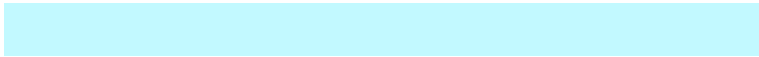
86.4407, 0.2768, 0.3225



86.4407, 0.2737, 0.3059

# Triad

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



86.4407, 0.2768, 0.3225



86.4407, 0.3163, 0.3025



86.4407, 0.3454, 0.3622

# Complementary

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



86.4407, 0.2768, 0.3225



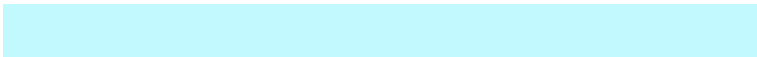
66.5115, 0.3613, 0.3354

# 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.



86.4407, 0.3533, 0.3503



86.4407, 0.2768, 0.3225



86.4407, 0.3362, 0.3164

# Square

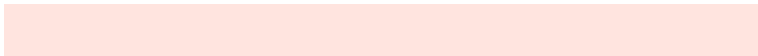
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4407, 0.2768, 0.3225



86.4407, 0.2960, 0.2952



86.4407, 0.3500, 0.3336



86.4407, 0.3287, 0.3652

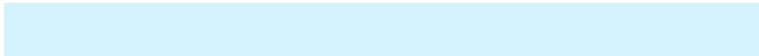


# Rectangle

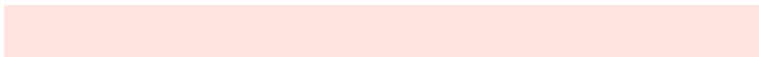
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4407, 0.2768, 0.3225



86.4407, 0.2772, 0.2985



86.4407, 0.3500, 0.3336



86.4407, 0.3492, 0.3590

# Sweetspot

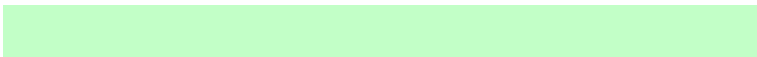
The Sweet Spot groups the original color and five complimentary colors.



86.4427, 0.2768, 0.3225



95.6511, 0.3018, 0.3272



87.1309, 0.3068, 0.3910



20.3962, 0.3009, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

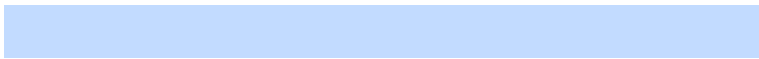
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4427, 0.2768, 0.3225



83.9998, 0.2698, 0.3210



69.6056, 0.2741, 0.2901



20.1568, 0.2980, 0.3266



33.4183, 0.2160, 0.2976



3.3389, 0.2171, 0.3015



# Inverse Universe

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



66.7184, 0.3198, 0.2748



61.0867, 0.3216, 0.2631



81.5395, 0.3545, 0.3650



18.2676, 0.3153, 0.3079



14.1016, 0.3475, 0.1688

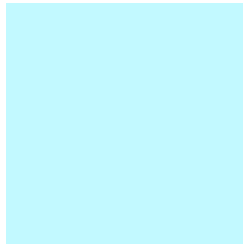


1.3816, 0.3441, 0.1669



# Previews

## White Background



This preview shows how the Yxy color 86.4407, 0.2768, 0.3225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

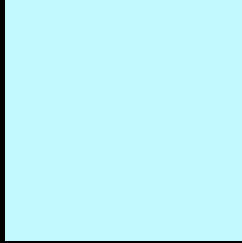
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.4407, 0.2768, 0.3225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

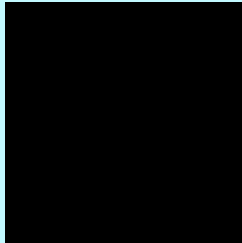
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.4407, 0.2768, 0.3225**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.4407, 0.2768, 0.3225.

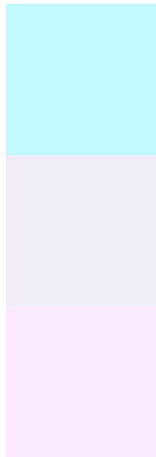


This preview shows how white text looks on a background with the Yxy color 86.4407, 0.2768, 0.3225.

# 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

86.4407, 0.2768, 0.3225

### Protanopia

85.8709, 0.3080, 0.3180

### Deuteranopia

85.8218, 0.3104, 0.3076



## Tritanopia

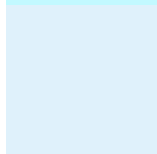
85.9201, 0.2889, 0.3166

# Trichromacy



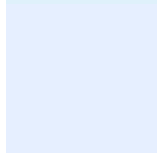
## Original Color

86.4407, 0.2768, 0.3225



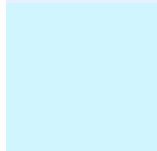
## Protanomaly

85.5636, 0.2954, 0.3187



## Deuteranomaly

85.7760, 0.2974, 0.3128



## Tritanomaly

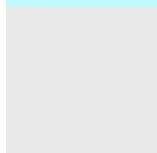
85.9347, 0.2843, 0.3185

# Monochromacy



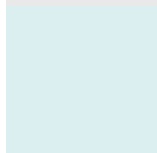
## Original Color

86.4407, 0.2768, 0.3225



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.1439, 0.2986, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.4407, 0.2768, 0.3225 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(194, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 249, 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(194, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 249, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 86.4407, 0.2768, 0.3225 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(194, 249, 255) }
```

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

```
.border{ border-color:rgb(194, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 249,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.4407, 0.2768, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 249, 255) }
```

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

```
.background{ background-color: rgb(194,  
249, 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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