

Converting Colors

$Yxy(86.6871, 0.2865, 0.3180)$

Have a look what the booklet for
Yxy(86.6871, 0.2865, 0.3180)
contains.

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Color

Yxy(86.5219, 0.2867, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	D4F5FF
RGB	212, 245, 255
RGB Percent	83%, 96%, 100%
CMY	0.1685, 0.0392, 0.0001
CMYK	0.17, 0.04, 0.00, 0.00
HSL	194°, 100%, 92%
HSV	194°, 17%, 100%
XYZ	77.8588, 86.5219, 107.1883
YIQ	236.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

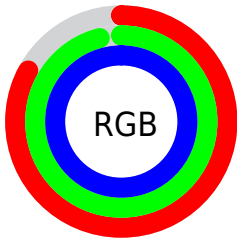
Format	Color
R _Y B	212, 231, 255
Decimal	13956607
CIE Lab	94.54, -8.61, -8.38
CIE LCh	95, 12.013, 224.226
Yxy	86.5219, 0.2867, 0.3186
Android (android.graphics.Color)	4292146687 (0xFFD4F5FF)
YUV	236.2730, 9.2324, -21.2874
Hunter-Lab	93.0171, -13.3688, -3.2108

Details

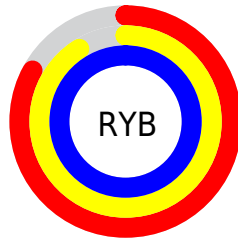
The Yxy color **86.5219, 0.2867, 0.3186** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2660, 0.3434, 0.3392**, and the grayscale version is **84.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6405, 0.2814, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **79.5001, 0.2717, 0.3116**, and if you desaturate by 10%, it is **94.2642, 0.3021, 0.3250**.

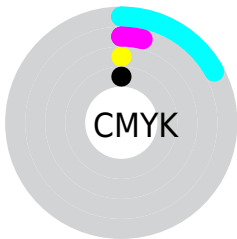
Distribution



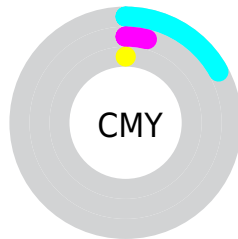
- Red (83%)
- Green (96%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5219, 0.2867, 0.3186 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 86.5219, 0.2867, 0.3186 by changing the saturation by 10% instead.

86.5219, 0.2867,
0.3186

86.5219, 0.2867,
0.3186

516.6505, 0.2983,
0.3234

65.0996, 0.2842,
0.3175

142.4976, 0.2906,
0.3203

47.5419, 0.2811,
0.3162

177.8197, 0.2922,
0.3209

33.4642, 0.2772,
0.3145

218.5440, 0.2935,
0.3215

22.4823, 0.2723,
0.3123

265.0548, 0.2947,
0.3219

14.2117, 0.2659,
0.3094

317.7364, 0.2958,
0.3224

8.2681, 0.2570,
0.3052

376.9733, 0.2967,

4.2670, 0.2441,

0.3227

0.2989

443.1499, 0.2975,
0.3231

■ 1.8240, 0.2235,
0.2880

■ 0.5021, 0.1397,
0.2626

■ 86.5219, 0.2867,
0.3186

■ 86.5219, 0.2867,
0.3186

■ 79.5001, 0.2717,
0.3116

■ 94.2642, 0.3021,
0.3250

■ 73.1590, 0.2575,
0.3041

99.9989, 0.3127,
0.3290

■ 67.4708, 0.2443,
0.2962

■ 62.4014, 0.2325,
0.2878

■ 57.9131, 0.2225,
0.2792

■ 53.9631, 0.2144,
0.2705

■ 50.5015, 0.2082,
0.2618

■ 47.4653, 0.2040,
0.2532

■ 46.5652, 0.2029,
0.2505

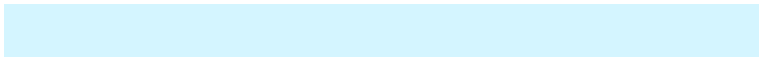
Harmonies

Analogous

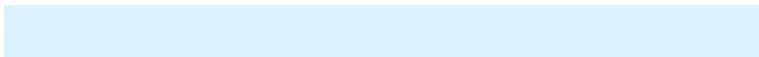
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5219, 0.2919, 0.3308



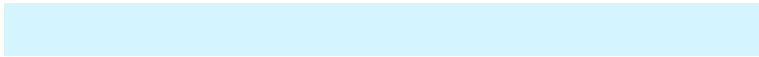
86.5219, 0.2867, 0.3186



86.5219, 0.2882, 0.3096

Triad

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



86.5219, 0.2867, 0.3186



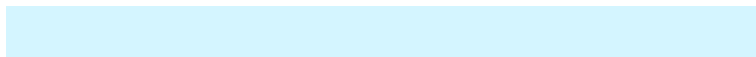
86.5219, 0.3225, 0.3157



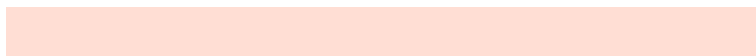
86.5219, 0.3292, 0.3528

Complementary

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



86.5219, 0.2867, 0.3186



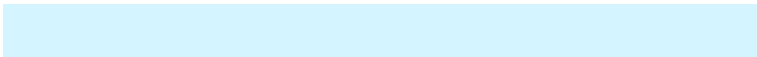
78.2660, 0.3434, 0.3392

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.



86.5219, 0.3377, 0.3481



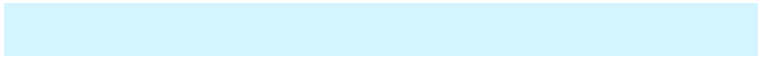
86.5219, 0.2867, 0.3186



86.5219, 0.3339, 0.3267

Square

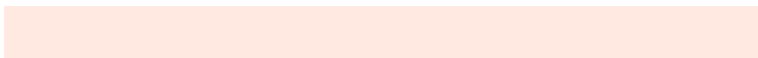
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



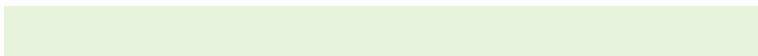
86.5219, 0.2867, 0.3186



86.5219, 0.3087, 0.3082



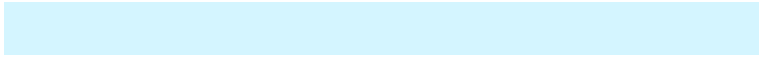
86.5219, 0.3395, 0.3385



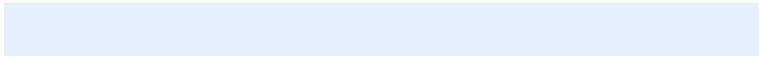
86.5219, 0.3163, 0.3510

Rectangle

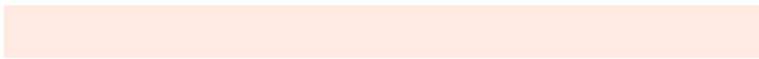
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5219, 0.2867, 0.3186



86.5219, 0.2929, 0.3065



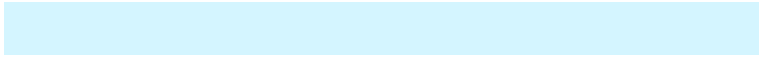
86.5219, 0.3395, 0.3385



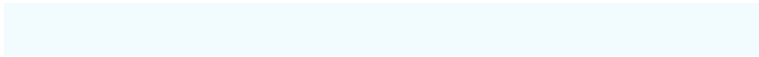
86.5219, 0.3327, 0.3520

Sweetspot

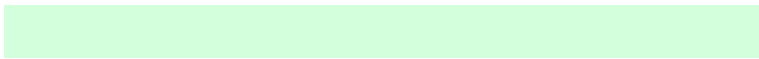
The Sweet Spot groups the original color and five complimentary colors.



86.5255, 0.2867, 0.3186



95.7849, 0.3050, 0.3261



90.7502, 0.3054, 0.3646



20.3783, 0.3039, 0.3257



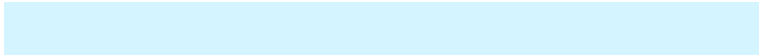
0.0000, 0.0000, 0.0000



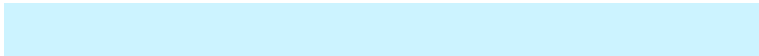
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5255, 0.2867, 0.3186



84.2445, 0.2819, 0.3165



74.6433, 0.2857, 0.2965



19.7233, 0.2980, 0.3233



24.5742, 0.2033, 0.2519



2.5580, 0.2061, 0.2618

Inverse Universe

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



74.9550, 0.3215, 0.2965



70.9255, 0.3234, 0.2902



90.0024, 0.3400, 0.3596



18.2239, 0.3174, 0.3109



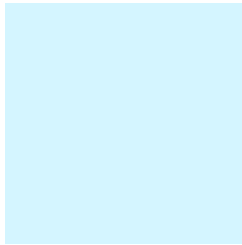
13.2087, 0.3903, 0.1924



1.3028, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 86.5219, 0.2867, 0.3186 looks on a white background.

Color Contrast Check

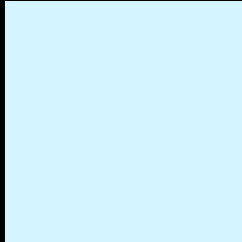
Large Text (above 18pt) WCAG AA × Fail

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 86.5219, 0.2867, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

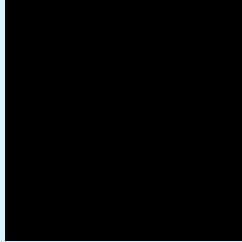
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

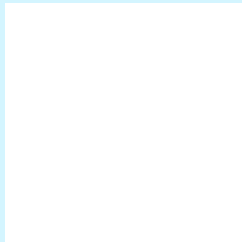
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5219, 0.2867, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 86.5219, 0.2867, 0.3186.

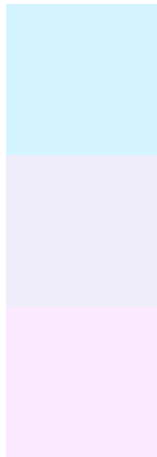


This preview shows how white text looks on a background with the Yxy color 86.5219, 0.2867, 0.3186.

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

86.5219, 0.2867, 0.3186

Protanopia

85.9958, 0.3068, 0.3160

Deuteranopia

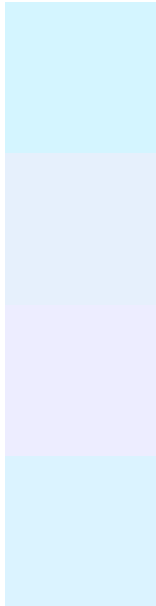
86.0071, 0.3111, 0.3076



Tritanopia

86.4122, 0.2931, 0.3157

Trichromacy



Original Color

86.5219, 0.2867, 0.3186

Protanomaly

86.1714, 0.2992, 0.3168

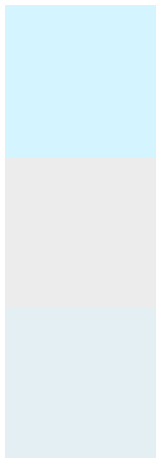
Deuteranomaly

85.7929, 0.3018, 0.3110

Tritanomaly

86.3813, 0.2907, 0.3167

Monochromacy



Original Color

86.5219, 0.2867, 0.3186

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.5350, 0.3025, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5219, 0.2867, 0.3186 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(212, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 245, 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(212, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.5219, 0.2867, 0.3186 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(212, 245, 255) }
```

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

```
.border{ border-color:rgb(212, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(212, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5219, 0.2867, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 245, 255) }
```

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

```
.background{ background-color: rgb(212,  
245, 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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