

Converting Colors

$Yxy(84.7942, 0.2789, 0.3190)$

Have a look what the booklet for
Yxy(84.7942, 0.2789, 0.3190)
contains.

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Color

Yxy(84.5306, 0.2786, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	C6F5FF
RGB	198, 245, 255
RGB Percent	78%, 96%, 100%
CMY	0.2237, 0.0392, 0.0000
CMYK	0.22, 0.04, 0.00, 0.00
HSL	191°, 100%, 89%
HSV	191°, 22%, 100%
XYZ	73.9875, 84.5306, 107.0508
YIQ	232.0870, -31.2220, -6.8540

Conversions

Conversions Part 2

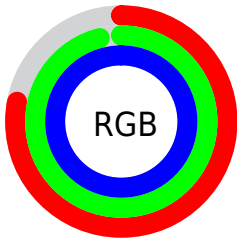
Format	Color
R_{YB}	198, 224, 255
Decimal	13039103
CIE _{Lab}	93.68, -12.81, -9.77
CIE _{LCh}	94, 16.110, 217.323
Yxy	84.5306, 0.2786, 0.3183
Android (android.graphics.Color)	4291229183 (0xFFC6F5FF)
YUV	232.0870, 11.2961, -29.8943
Hunter-Lab	91.9405, -17.2512, -4.6759

Details

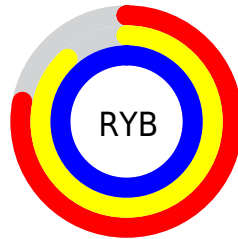
The Yxy color **84.5306, 0.2786, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4245, 0.3565, 0.3394**, and the grayscale version is **80.6915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3120, 0.2715, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **78.6842, 0.2644, 0.3129**, and if you desaturate by 10%, it is **91.0281, 0.2936, 0.3234**.

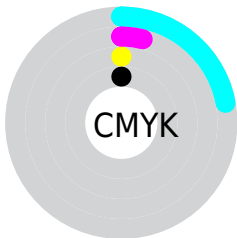
Distribution



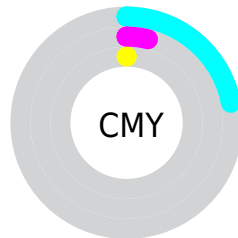
- Red (78%)
- Green (96%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5306, 0.2786, 0.3183 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 84.5306, 0.2786, 0.3183 by changing the saturation by 10% instead.

 84.5306, 0.2786,
0.3183

 84.5306, 0.2786,
0.3183


510.0736, 0.2938,
0.3233

 63.4536, 0.2753,
0.3171

139.7172, 0.2838,
0.3201

 46.2083, 0.2712,
0.3157


174.5955, 0.2858,
0.3207

 32.4102, 0.2662,
0.3139


214.8431, 0.2876,
0.3213

 21.6750, 0.2598,
0.3115

260.8444, 0.2891,
0.3218

 13.6183, 0.2513,
0.3082

312.9836, 0.2905,
0.3223

 7.8557, 0.2397,
0.3035

371.6453, 0.2917,

 4.0027, 0.2228,

0.3227

0.2961

437.2138, 0.2928,
0.3230

1.6751, 0.1961,
0.2832

0.4075, 0.0461,
0.2519

84.5306, 0.2786,
0.3183

84.5306, 0.2786,
0.3183

78.6842, 0.2644,
0.3129

91.0281, 0.2936,
0.3234

73.4555, 0.2513,
0.3071

98.2004, 0.3090,
0.3280

68.8134, 0.2395,
0.3011

100.0000, 0.3127,
0.3290

64.7226, 0.2295,
0.2948

■ 61.1435, 0.2213,
0.2884

■ 58.0304, 0.2151,
0.2820

■ 55.3282, 0.2108,
0.2757

■ 53.4802, 0.2086,
0.2709

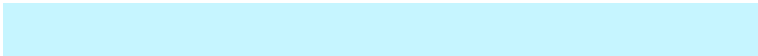
Harmonies

Analogous

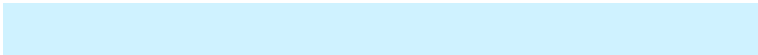
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5306, 0.2875, 0.3353



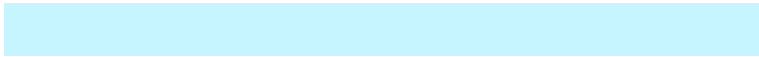
84.5306, 0.2786, 0.3183



84.5306, 0.2785, 0.3049

Triad

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



84.5306, 0.2786, 0.3183



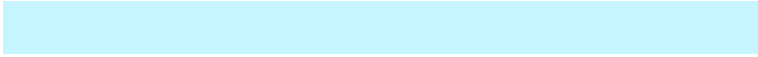
84.5306, 0.3216, 0.3084



84.5306, 0.3382, 0.3605

Complementary

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



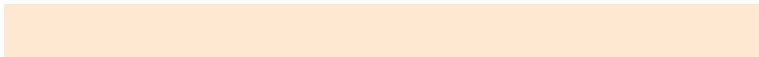
84.5306, 0.2786, 0.3183



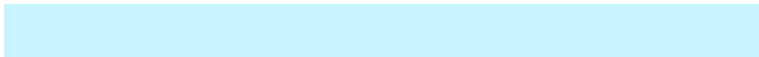
70.4245, 0.3565, 0.3394

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.



84.5306, 0.3480, 0.3521



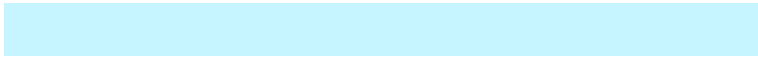
84.5306, 0.2786, 0.3183



84.5306, 0.3383, 0.3222

Square

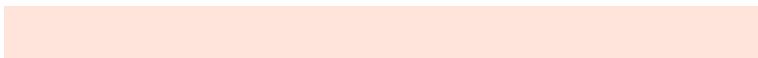
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5306, 0.2786, 0.3183



84.5306, 0.3029, 0.2998



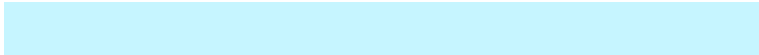
84.5306, 0.3481, 0.3380



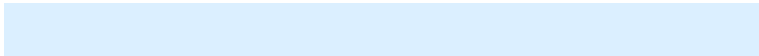
84.5306, 0.3217, 0.3604

Rectangle

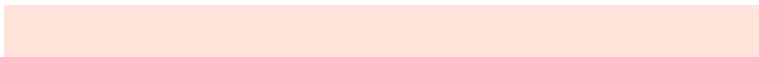
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



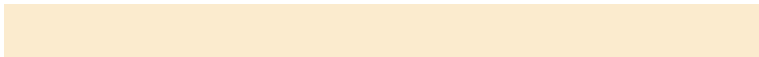
84.5306, 0.2786, 0.3183



84.5306, 0.2835, 0.2997



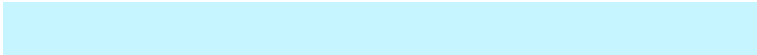
84.5306, 0.3481, 0.3380



84.5306, 0.3424, 0.3586

Sweetspot

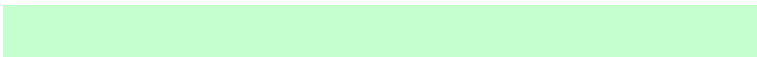
The Sweet Spot groups the original color and five complimentary colors.



84.5319, 0.2786, 0.3183



94.7918, 0.3018, 0.3259



88.0488, 0.3045, 0.3811



20.1966, 0.3009, 0.3256



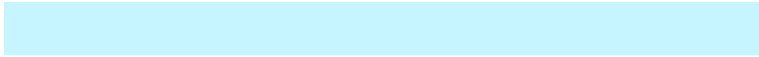
0.0000, 0.0000, 0.0000



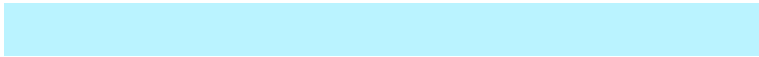
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5319, 0.2786, 0.3183



81.7439, 0.2719, 0.3159



68.8341, 0.2763, 0.2876



19.9082, 0.2980, 0.3247



28.1423, 0.2089, 0.2719



2.8758, 0.2109, 0.2791

Inverse Universe

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



68.2248, 0.3225, 0.2824



62.9086, 0.3249, 0.2725



85.3195, 0.3505, 0.3672



18.2425, 0.3165, 0.3096



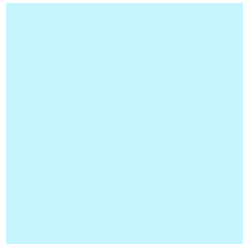
13.5689, 0.3710, 0.1817



1.3349, 0.3643, 0.1780

Previews

White Background



This preview shows how the Yxy color 84.5306, 0.2786, 0.3183 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 84.5306, 0.2786, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

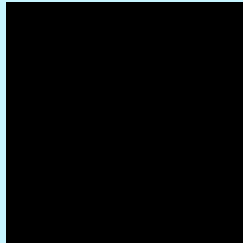
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

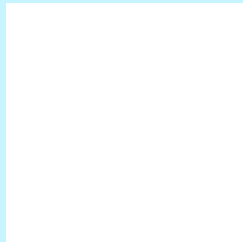
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5306, 0.2786, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 84.5306, 0.2786, 0.3183.

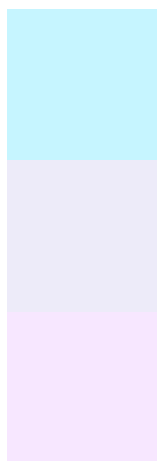


This preview shows how white text looks on a background with the Yxy color 84.5306, 0.2786, 0.3183.

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

84.5306, 0.2786, 0.3183

Protanopia

84.2607, 0.3055, 0.3149

Deuteranopia

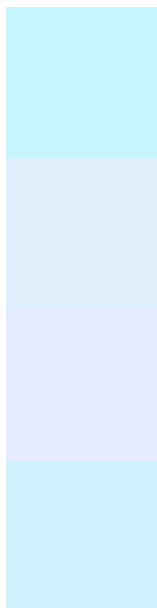
84.1460, 0.3085, 0.3054



Tritanopia

84.1276, 0.2865, 0.3144

Trichromacy



Original Color

84.5306, 0.2786, 0.3183

Protanomaly

84.3860, 0.2953, 0.3166

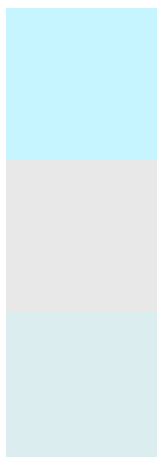
Deuteranomaly

83.8689, 0.2968, 0.3097

Tritanomaly

83.9897, 0.2836, 0.3153

Monochromacy



Original Color

84.5306, 0.2786, 0.3183

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

82.0753, 0.2998, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5306, 0.2786, 0.3183 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(198, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.5306, 0.2786, 0.3183 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(198, 245, 255) }
```

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

```
.border{ border-color:rgb(198, 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(198, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5306, 0.2786, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 245, 255) }
```

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

```
.background{ background-color: rgb(198,  
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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