

Converting Colors

$Yxy(87.7500, 0.2534, 0.2702)$

Have a look what the booklet for
Yxy(87.7500, 0.2534, 0.2702)
contains.

Yxy(84.1269, 0.2770, 0.3183)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.1269, 0.2770, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	C3F5FF
RGB	195, 245, 255
RGB Percent	76%, 96%, 100%
CMY	0.2351, 0.0392, 0.0001
CMYK	0.24, 0.04, 0.00, 0.00
HSL	190°, 100%, 88%
HSV	190°, 24%, 100%
XYZ	73.2113, 84.1269, 106.9625
YIQ	231.1900, -33.0100, -7.4900

Conversions

Conversions Part 2

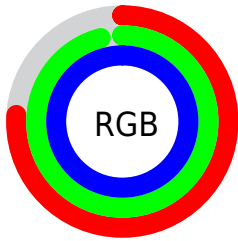
Format	Color
R_{YB}	195, 222, 255
Decimal	12842495
CIE _{Lab}	93.51, -13.67, -10.01
CIE _{LCh}	94, 16.947, 216.222
Yxy	84.1269, 0.2770, 0.3183
Android (android.graphics.Color)	4291032575 (0xFFC3F5FF)
YUV	231.1900, 11.7383, -31.7386
Hunter-Lab	91.7207, -18.0329, -4.9381

Details

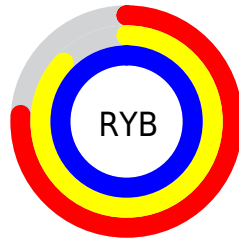
The Yxy color **84.1269, 0.2770, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.8650, 0.3594, 0.3394**, and the grayscale version is **79.9954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **46.0479, 0.2695, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **78.4803, 0.2630, 0.3131**, and if you desaturate by 10%, it is **90.4191, 0.2919, 0.3231**.

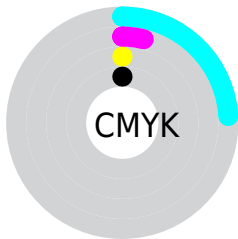
Distribution



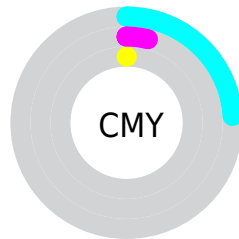
- Red (76%)
- Green (96%)
- Blue (100%)



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



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1269, 0.2770, 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 84.1269, 0.2770, 0.3183 by changing the saturation by 10% instead.

84.1269, 0.2770,
0.3183

84.1269, 0.2770,
0.3183

508.7345, 0.2929,
0.3234

63.1202, 0.2735,
0.3171

139.1527, 0.2824,
0.3201

45.9385, 0.2693,
0.3157

173.9406, 0.2845,
0.3208

32.1973, 0.2640,
0.3138

214.0910, 0.2864,
0.3213

21.5122, 0.2573,
0.3114

259.9883, 0.2880,
0.3218

13.4989, 0.2484,
0.3080

312.0169, 0.2895,
0.3223

7.7730, 0.2363,
0.3032

370.5612, 0.2907,

3.9500, 0.2186,

0.3227

0.2956

436.0056, 0.2919,
0.3230

1.6457, 0.1907,
0.2823

0.3881, 0.0226,
0.2496

84.1269, 0.2770,
0.3183

84.1269, 0.2770,
0.3183

78.4803, 0.2630,
0.3131

90.4191, 0.2919,
0.3231

73.4393, 0.2500,
0.3076

97.3744, 0.3073,
0.3275

68.9748, 0.2386,
0.3018

99.9982, 0.3127,
0.3290

65.0511, 0.2289,
0.2959

■ 61.6281, 0.2210,
0.2898

■ 58.6592, 0.2152,
0.2838

■ 56.0881, 0.2112,
0.2778

■ 54.5790, 0.2094,
0.2740

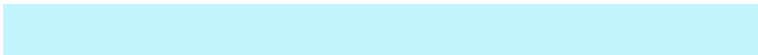
Harmonies

Analogous

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



84.1269, 0.2867, 0.3363



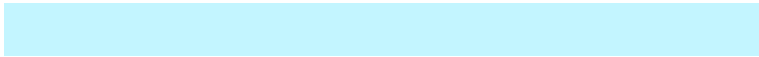
84.1269, 0.2770, 0.3183



84.1269, 0.2766, 0.3040

Triad

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



84.1269, 0.2770, 0.3183



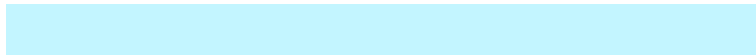
84.1269, 0.3214, 0.3069



84.1269, 0.3401, 0.3621

Complementary

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



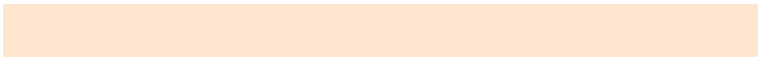
84.1269, 0.2770, 0.3183



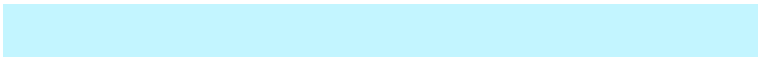
68.8650, 0.3594, 0.3394

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.



84.1269, 0.3501, 0.3528



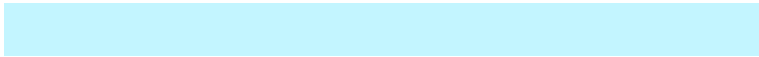
84.1269, 0.2770, 0.3183



84.1269, 0.3392, 0.3212

Square

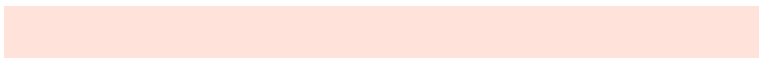
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



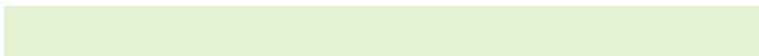
84.1269, 0.2770, 0.3183



84.1269, 0.3017, 0.2980



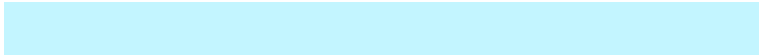
84.1269, 0.3498, 0.3378



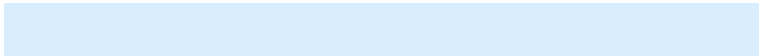
84.1269, 0.3229, 0.3623

Rectangle

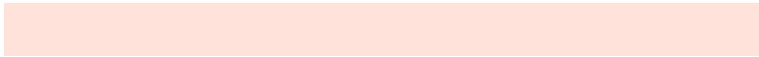
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



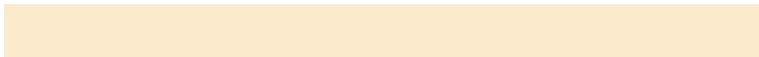
84.1269, 0.2770, 0.3183



84.1269, 0.2815, 0.2983



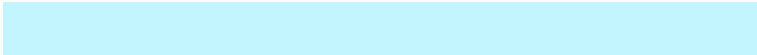
84.1269, 0.3498, 0.3378



84.1269, 0.3445, 0.3599

Sweetspot

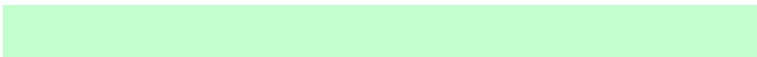
The Sweet Spot groups the original color and five complimentary colors.



84.1303, 0.2770, 0.3183



94.8899, 0.3018, 0.3261



87.4707, 0.3047, 0.3853



20.2194, 0.3009, 0.3258



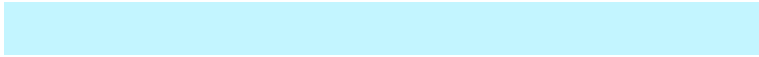
0.0000, 0.0000, 0.0000



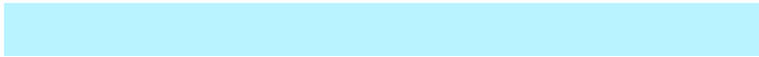
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1303, 0.2770, 0.3183



81.5338, 0.2706, 0.3160



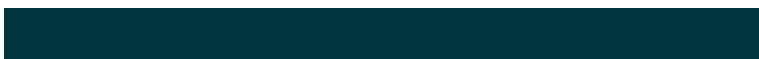
67.9455, 0.2744, 0.2863



19.9365, 0.2980, 0.3249



28.7161, 0.2097, 0.2749



2.9265, 0.2116, 0.2818

Inverse Universe

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



66.8952, 0.3227, 0.2795



61.8533, 0.3249, 0.2698



84.0399, 0.3528, 0.3683



18.2454, 0.3164, 0.3094



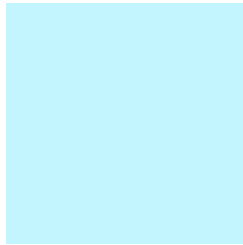
13.6269, 0.3682, 0.1802



1.3400, 0.3618, 0.1767

Previews

White Background



This preview shows how the Yxy color 84.1269, 0.2770, 0.3183 looks on a white background.

Color Contrast Check

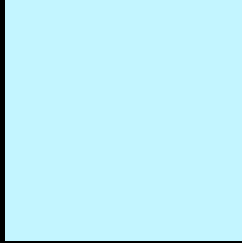
Large Text (above 18pt) WCAG AA × Fail

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 84.1269, 0.2770, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

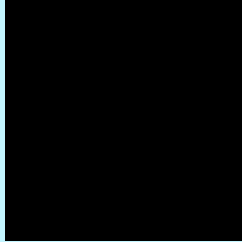
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1269, 0.2770, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 84.1269, 0.2770, 0.3183.

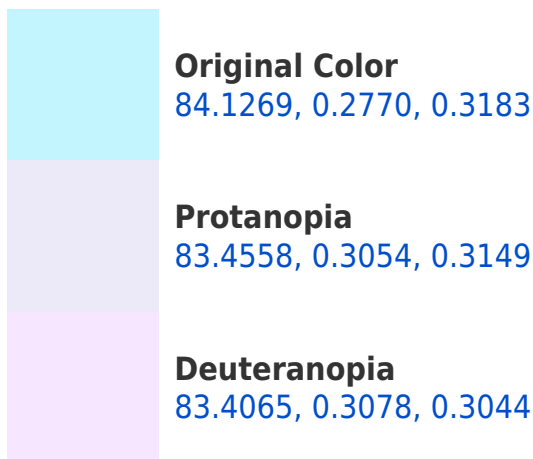


This preview shows how white text looks on a background with the Yxy color 84.1269, 0.2770, 0.3183.

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

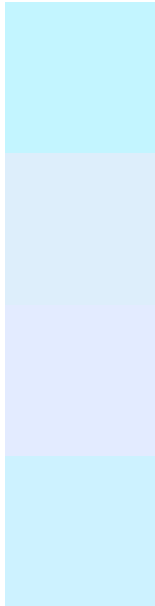




Tritanopia

83.8322, 0.2853, 0.3143

Trichromacy



Original Color

84.1269, 0.2770, 0.3183

Protanomaly

83.4863, 0.2941, 0.3156

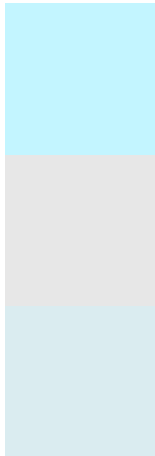
Deuteranomaly

82.9676, 0.2955, 0.3086

Tritanomaly

83.7034, 0.2824, 0.3153

Monochromacy



Original Color

84.1269, 0.2770, 0.3183

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

81.1876, 0.2985, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1269, 0.2770, 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(195, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.1269, 0.2770, 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(195, 245, 255) }
```

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

```
.border{ border-color:rgb(195, 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(195, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1269, 0.2770, 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(195, 245, 255) }
```

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

```
.background{ background-color: rgb(195,  
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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