

Converting Colors

$Yxy(84.5677, 0.2829, 0.3178)$

Have a look what the booklet for
Yxy(84.5677, 0.2829, 0.3178)
contains.

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Color

Yxy(84.8363, 0.2831, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	CDF4FE
RGB	205, 244, 254
RGB Percent	80%, 96%, 100%
CMY	0.1958, 0.0432, 0.0039
CMYK	0.19, 0.04, 0.00, 0.00
HSL	192°, 96%, 90%
HSV	192°, 19%, 100%
XYZ	75.4308, 84.8363, 106.1786
YIQ	233.4790, -26.4540, -5.1580

Conversions

Conversions Part 2

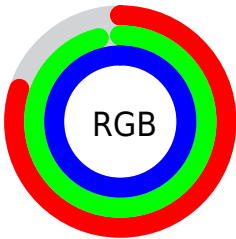
Format	Color
R _Y B	205, 227, 254
Decimal	13497598
CIE Lab	93.81, -10.41, -9.00
CIE LCh	94, 13.759, 220.842
Yxy	84.8363, 0.2831, 0.3184
Android (android.graphics.Color)	4291687678 (0xFFCDF4FE)
YUV	233.4790, 10.1169, -24.9761
Hunter-Lab	92.1066, -15.0039, -3.8736

Details

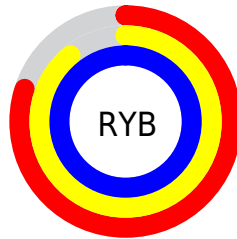
The Yxy color **84.8363, 0.2831, 0.3184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1305, 0.3490, 0.3394**, and the grayscale version is **81.8128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4817, 0.2769, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **78.4275, 0.2684, 0.3122**, and if you desaturate by 10%, it is **91.9270, 0.2983, 0.3241**.

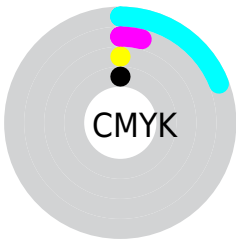
Distribution



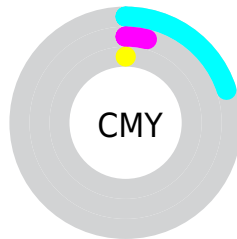
- Red (80%)
- Green (96%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8363, 0.2831, 0.3184 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 84.8363, 0.2831, 0.3184 by changing the saturation by 10% instead.

84.8363, 0.2831,
0.3184

84.8363, 0.2831,
0.3184

511.0862, 0.2963,
0.3233

63.7061, 0.2802,
0.3173

140.1444, 0.2876,
0.3201

46.4127, 0.2767,
0.3159

175.0912, 0.2894,
0.3208

32.5716, 0.2723,
0.3141

215.4123, 0.2909,
0.3213

21.7985, 0.2667,
0.3118

261.4921, 0.2922,
0.3218

13.7089, 0.2593,
0.3087

313.7150, 0.2934,
0.3223

7.9185, 0.2491,
0.3042

372.4654, 0.2945,

4.0428, 0.2342,

0.3227

0.2973

438.1277, 0.2955,
0.3230

■ 1.6975, 0.2105,
0.2854

■ 0.4221, 0.0884,
0.2538

■ 84.8363, 0.2831,
0.3184

■ 84.8363, 0.2831,
0.3184

■ 78.4275, 0.2684,
0.3122

■ 91.9270, 0.2983,
0.3241

■ 72.6611, 0.2547,
0.3055

99.5519, 0.3133,
0.3294

■ 67.5093, 0.2421,
0.2984

99.9369, 0.3133,
0.3299

■ 62.9378, 0.2311,
0.2911

■ 58.9086, 0.2219,
0.2836

■ 55.3782, 0.2147,
0.2760

■ 52.2952, 0.2094,
0.2684

■ 49.5819, 0.2059,
0.2610

■ 49.3923, 0.2057,
0.2604

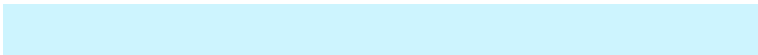
Harmonies

Analogous

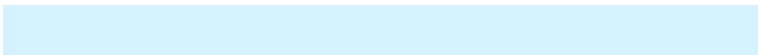
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8363, 0.2899, 0.3327



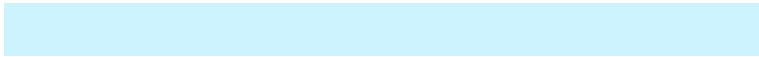
84.8363, 0.2831, 0.3184



84.8363, 0.2840, 0.3075

Triad

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



84.8363, 0.2831, 0.3184



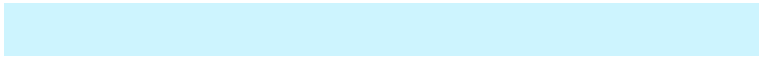
84.8363, 0.3222, 0.3125



84.8363, 0.3331, 0.3563

Complementary

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



84.8363, 0.2831, 0.3184



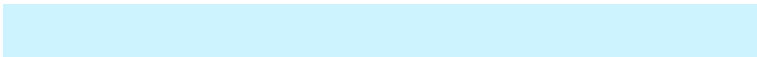
74.1305, 0.3490, 0.3394

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.



84.8363, 0.3422, 0.3499



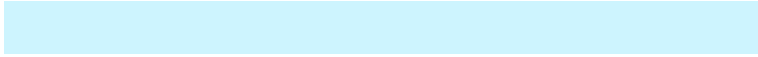
84.8363, 0.2831, 0.3184



84.8363, 0.3359, 0.3248

Square

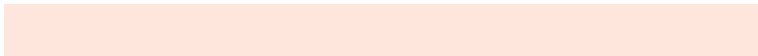
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



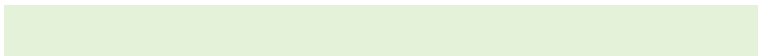
84.8363, 0.2831, 0.3184



84.8363, 0.3062, 0.3045



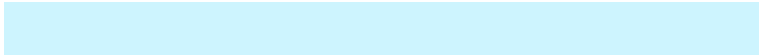
84.8363, 0.3433, 0.3384



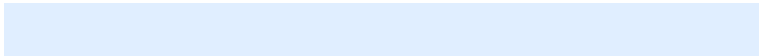
84.8363, 0.3186, 0.3551

Rectangle

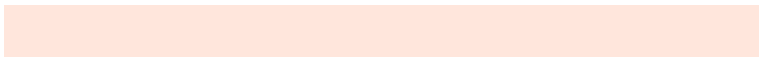
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



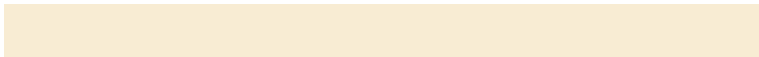
84.8363, 0.2831, 0.3184



84.8363, 0.2888, 0.3034



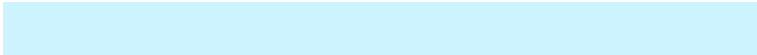
84.8363, 0.3433, 0.3384



84.8363, 0.3369, 0.3549

Sweetspot

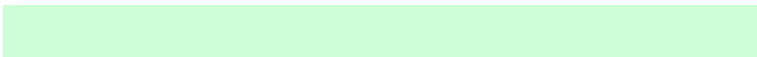
The Sweet Spot groups the original color and five complimentary colors.



84.8398, 0.2831, 0.3184



95.2296, 0.3034, 0.3259



88.7811, 0.3048, 0.3712



20.2753, 0.3024, 0.3256



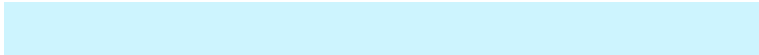
0.0000, 0.0000, 0.0000



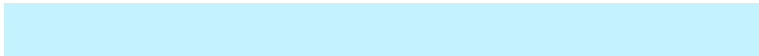
21.4041, 0.3127, 0.3290

Same Dimension

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



84.8398, 0.2831, 0.3184



83.0961, 0.2775, 0.3161



71.1985, 0.2815, 0.2921



19.8123, 0.2980, 0.3240



26.2541, 0.2060, 0.2617



2.7082, 0.2084, 0.2702

Inverse Universe

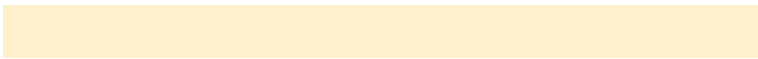
The Inverse Universe completely reimagines the original color for something new.



71.2967, 0.3220, 0.2904



67.3682, 0.3241, 0.2827



87.4114, 0.3445, 0.3633



18.2329, 0.3170, 0.3103



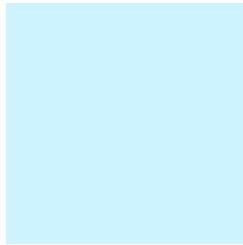
13.3783, 0.3808, 0.1871



1.3179, 0.3726, 0.1826

Previews

White Background



This preview shows how the Yxy color 84.8363, 0.2831, 0.3184 looks on a white background.

Color Contrast Check

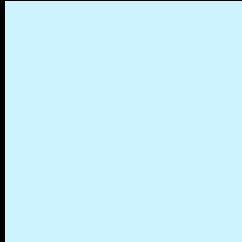
Large Text (above 18pt) WCAG AA × Fail

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 84.8363, 0.2831, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

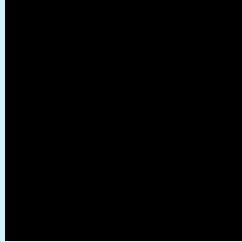
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8363, 0.2831, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 84.8363, 0.2831, 0.3184.

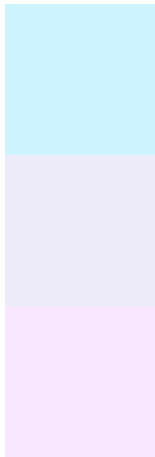


This preview shows how white text looks on a background with the Yxy color 84.8363, 0.2831, 0.3184.

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

84.8363, 0.2831, 0.3184

Protanopia

84.2607, 0.3055, 0.3149

Deuteranopia

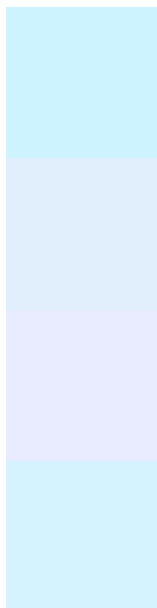
84.5116, 0.3098, 0.3055



Tritanopia

84.7295, 0.2889, 0.3145

Trichromacy



Original Color

84.8363, 0.2831, 0.3184

Protanomaly

84.1217, 0.2966, 0.3157

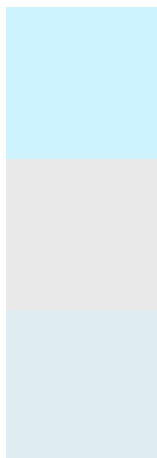
Deuteranomaly

84.5345, 0.2993, 0.3099

Tritanomaly

84.7213, 0.2865, 0.3154

Monochromacy



Original Color

84.8363, 0.2831, 0.3184

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.6072, 0.3012, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8363, 0.2831, 0.3184 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(205, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(205, 244, 254)  
}
```

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(205, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 244, 254) }
```

Border

The CSS property to change the border of an element to Yxy 84.8363, 0.2831, 0.3184 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(205, 244, 254) }
```

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

```
.border{ border-color:rgb(205, 244, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 244, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 244, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 244, 254);  
box-shadow:4px 4px 4px 4px rgb(205, 244,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8363, 0.2831, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 244, 254) }
```

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

```
.background{ background-color: rgb(205,  
244, 254) }
```

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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