

Converting Colors

$Yxy(83.6769, 0.2776, 0.3207)$

Have a look what the booklet for
Yxy(83.6769, 0.2776, 0.3207)
contains.

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Color

Yxy(83.8024, 0.2780, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	C2F5FC
RGB	194, 245, 252
RGB Percent	76%, 96%, 99%
CMY	0.2389, 0.0393, 0.0117
CMYK	0.23, 0.03, 0.00, 0.01
HSL	187°, 91%, 87%
HSV	187°, 23%, 99%
XYZ	72.4862, 83.8024, 104.4531
YIQ	230.5490, -32.6430, -8.6350

Conversions

Conversions Part 2

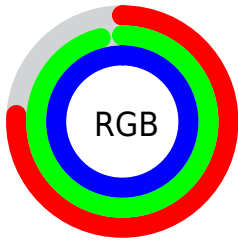
Format	Color
RYB	194, 221, 252
Decimal	12776956
CIELab	93.36, -14.58, -8.69
CIELCh	93, 16.975, 210.793
Yxy	83.8024, 0.2780, 0.3214
Android (android.graphics.Color)	4290967036 (0xFFC2F5FC)
YUV	230.5490, 10.5753, -32.0535
Hunter-Lab	91.5437, -18.8613, -3.5705

Details

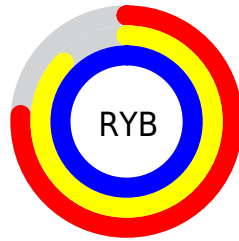
The Yxy color **83.8024, 0.2780, 0.3214** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4133, 0.3587, 0.3365**, and the grayscale version is **79.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **45.8243, 0.2707, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **78.9157, 0.2642, 0.3177**, and if you desaturate by 10%, it is **89.2918, 0.2927, 0.3249**.

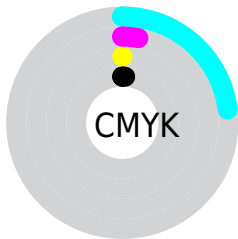
Distribution



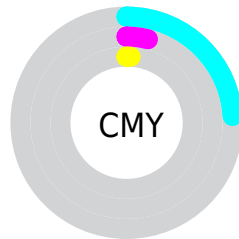
- Red (76%)
- Green (96%)
- Blue (99%)



- Red (76%)
- Yellow (87%)
- Blue (99%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)





- Cyan (24%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8024, 0.2780, 0.3214 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 83.8024, 0.2780, 0.3214 by changing the saturation by 10% instead.


 83.8024, 0.2780,
0.3214

 83.8024, 0.2780,
0.3214

507.6568, 0.2935,
0.3251

 62.8523, 0.2746,
0.3205


 138.6987, 0.2833,
0.3227

 45.7217, 0.2704,
0.3195


173.4138, 0.2853,
0.3232

 32.0263, 0.2653,
0.3181


213.4859, 0.2871,
0.3236

 21.3816, 0.2587,
0.3163

259.2995, 0.2887,
0.3240

 13.4032, 0.2501,
0.3137

311.2390, 0.2901,
0.3243

 7.7068, 0.2381,
0.3100

369.6888, 0.2914,

 3.9079, 0.2207,

0.3246

0.3041

435.0333, 0.2925,
0.3248

■ 1.6222, 0.1931,
0.2933

■ 0.3725, 0.0000,
0.2687

■ 83.8024, 0.2780,
0.3214

■ 83.8024, 0.2780,
0.3214

■ 78.9157, 0.2642,
0.3177

■ 89.2918, 0.2927,
0.3249

■ 74.5929, 0.2517,
0.3137

■ 95.4004, 0.3081,
0.3281

■ 70.8063, 0.2407,
0.3096

■ 99.2650, 0.3145,
0.3310

■ 67.5216, 0.2315,
0.3053

■ 99.8086, 0.3144,
0.3319

■ 64.7002, 0.2242,
0.3010

■ 62.2978, 0.2188,
0.2967

■ 60.2603, 0.2154,
0.2925

■ 58.9936, 0.2138,
0.2896

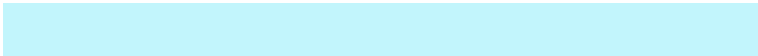
Harmonies

Analogous

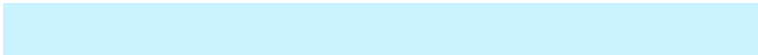
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8024, 0.2892, 0.3396



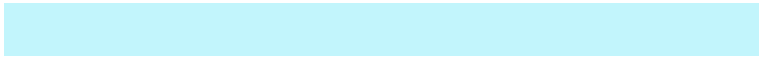
83.8024, 0.2780, 0.3214



83.8024, 0.2758, 0.3060

Triad

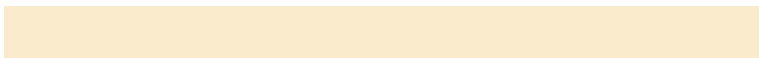
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8024, 0.2780, 0.3214



83.8024, 0.3178, 0.3047



83.8024, 0.3427, 0.3611

Complementary

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



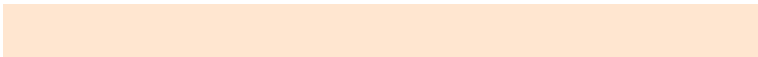
83.8024, 0.2780, 0.3214



66.4133, 0.3587, 0.3365

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.



83.8024, 0.3510, 0.3505



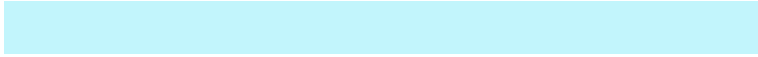
83.8024, 0.2780, 0.3214



83.8024, 0.3364, 0.3183

Square

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



83.8024, 0.2780, 0.3214



83.8024, 0.2983, 0.2971



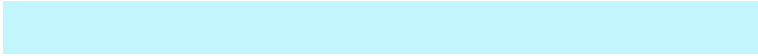
83.8024, 0.3487, 0.3348



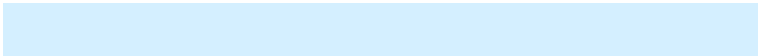
83.8024, 0.3264, 0.3631

Rectangle

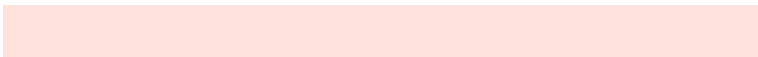
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8024, 0.2780, 0.3214



83.8024, 0.2797, 0.2994



83.8024, 0.3487, 0.3348



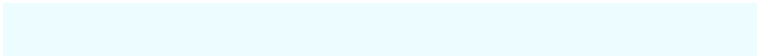
83.8024, 0.3465, 0.3583

Sweetspot

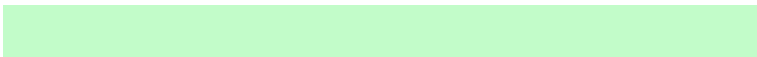
The Sweet Spot groups the original color and five complimentary colors.



83.8058, 0.2780, 0.3214



95.3984, 0.3018, 0.3268



85.3131, 0.3059, 0.3861



20.3375, 0.3009, 0.3267



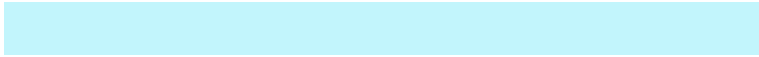
0.0000, 0.0000, 0.0000



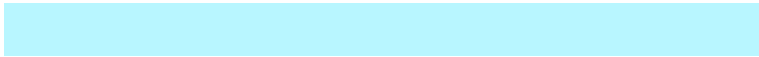
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8058, 0.2780, 0.3214



83.4860, 0.2709, 0.3195



67.7659, 0.2755, 0.2896



19.2285, 0.2980, 0.3260



30.8757, 0.2140, 0.2903



2.9576, 0.2154, 0.2953

Inverse Universe

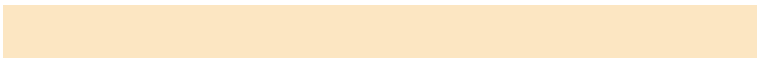
The Inverse Universe completely reimagines the original color for something new.



65.9071, 0.3205, 0.2782



62.0504, 0.3225, 0.2668



81.0774, 0.3522, 0.3655



17.4862, 0.3157, 0.3084



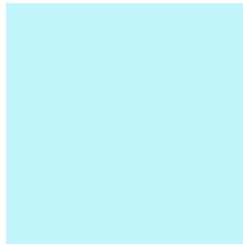
13.5278, 0.3541, 0.1724



1.2628, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 83.8024, 0.2780, 0.3214 looks on a white background.

Color Contrast Check

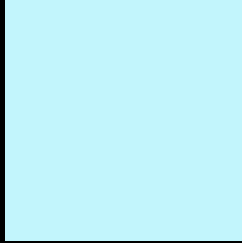
Large Text (above 18pt) WCAG AA × Fail

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 83.8024, 0.2780, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

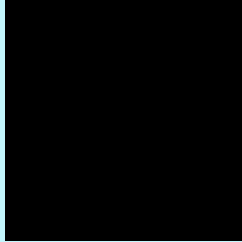
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8024, 0.2780, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 83.8024, 0.2780, 0.3214.

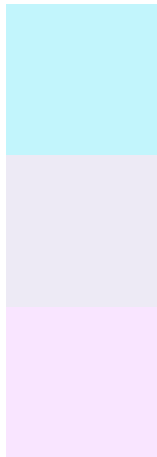


This preview shows how white text looks on a background with the Yxy color 83.8024, 0.2780, 0.3214.

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

83.8024, 0.2780, 0.3214

Protanopia

83.4427, 0.3079, 0.3179

Deuteranopia

83.3984, 0.3099, 0.3035



Tritanopia

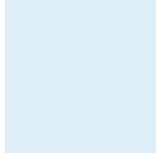
83.6859, 0.2847, 0.3143

Trichromacy



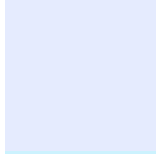
Original Color

83.8024, 0.2780, 0.3214



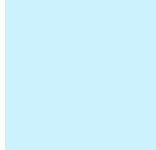
Protanomaly

83.2985, 0.2958, 0.3186



Deuteranomaly

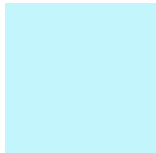
83.2304, 0.2973, 0.3097



Tritanomaly

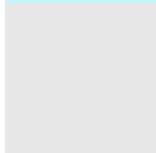
83.4974, 0.2824, 0.3163

Monochromacy



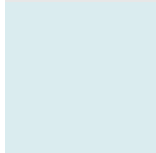
Original Color

83.8024, 0.2780, 0.3214



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.1283, 0.2991, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8024, 0.2780, 0.3214 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, 245, 252)` looks like.

```
.text, #text, p{  
    color:rgb(194, 245, 252)  
}
```

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, 245, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 245, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.8024, 0.2780, 0.3214 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, 245, 252) }
```

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

```
.border{ border-color:rgb(194, 245, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 245, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 245, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 245, 252);  
box-shadow:4px 4px 4px 4px rgb(194, 245,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8024, 0.2780, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 245, 252) }
```

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

```
.background{ background-color: rgb(194,  
245, 252) }
```

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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