

Converting Colors

Yxy(83.5863, 0.2822, 0.3151)

Have a look what the booklet for
Yxy(83.5863, 0.2822, 0.3151)
contains.

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Color

Yxy(83.7034, 0.2824, 0.3153)

Conversions

Conversions Part 1

Format	Color
Hex	CDF2FF
RGB	205, 242, 255
RGB Percent	80%, 95%, 100%
CMY	0.1962, 0.0509, 0.0001
CMYK	0.20, 0.05, 0.00, 0.00
HSL	196°, 100%, 90%
HSV	196°, 20%, 100%
XYZ	74.9694, 83.7034, 106.7995
YIQ	232.4190, -26.2250, -3.8010

Conversions

Conversions Part 2

Format	Color
R _Y B	205, 226, 255
Decimal	13497087
CIE Lab	93.32, -9.24, -10.23
CIE LCh	93, 13.785, 227.917
Yxy	83.7034, 0.2824, 0.3153
Android (android.graphics.Color)	4291687167 (0xFFCDF2FF)
YUV	232.4190, 11.1324, -24.0465
Hunter-Lab	91.4896, -13.8383, -5.1689

Details

The Yxy color **83.7034, 0.2824, 0.3153** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7731, 0.3492, 0.3423**, and the grayscale version is **80.9531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6791, 0.2760, 0.3126** is the 20% darker color. If you saturate the color by 10%, you get **76.5066, 0.2674, 0.3073**, and if you desaturate by 10%, it is **91.6402, 0.2978, 0.3226**.

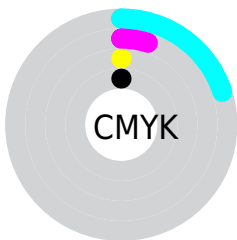
Distribution



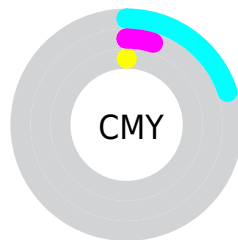
- Red (80%)
- Green (95%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7034, 0.2824, 0.3153 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 83.7034, 0.2824, 0.3153 by changing the saturation by 10% instead.

83.7034, 0.2824,
0.3153

83.7034, 0.2824,
0.3153

507.3278, 0.2959,
0.3216

62.7706, 0.2794,
0.3139

138.5602, 0.2870,
0.3175

45.6556, 0.2758,
0.3121

173.2530, 0.2888,
0.3183

31.9742, 0.2713,
0.3098

213.3012, 0.2904,
0.3191

21.3418, 0.2655,
0.3069

259.0893, 0.2918,
0.3197

13.3741, 0.2579,
0.3030

311.0016, 0.2930,
0.3203

7.6866, 0.2474,
0.2974

369.4225, 0.2941,

3.8951, 0.2320,

0.3208

0.2887

434.7364, 0.2951,
0.3212

■ 1.6150, 0.2074,
0.2740

■ 0.3677, 0.0767,
0.2276

■ 83.7034, 0.2824,
0.3153

■ 83.7034, 0.2824,
0.3153

■ 76.5066, 0.2674,
0.3073

■ 91.6402, 0.2978,
0.3226

■ 70.0095, 0.2532,
0.2988

99.9991, 0.3127,
0.3290

■ 64.1830, 0.2401,
0.2897

■ 58.9917, 0.2284,
0.2802

■ 54.3961, 0.2185,
0.2705

■ 50.3513, 0.2105,
0.2606

■ 46.8043, 0.2045,
0.2508

■ 43.6725, 0.2004,
0.2412

■ 43.5572, 0.2002,
0.2408

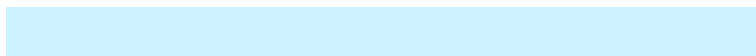
Harmonies

Analogous

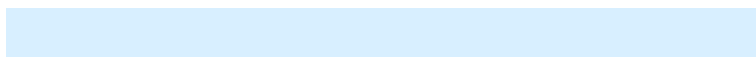
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7034, 0.2875, 0.3292



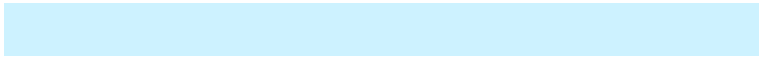
83.7034, 0.2824, 0.3153



83.7034, 0.2851, 0.3056

Triad

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



83.7034, 0.2824, 0.3153



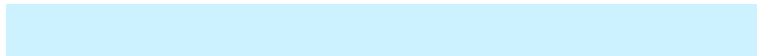
83.7034, 0.3259, 0.3151



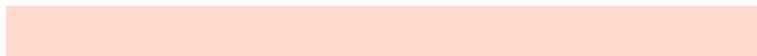
83.7034, 0.3301, 0.3569

Complementary

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



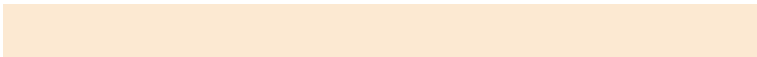
83.7034, 0.2824, 0.3153



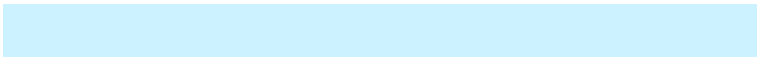
75.7731, 0.3492, 0.3423

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.



83.7034, 0.3409, 0.3522



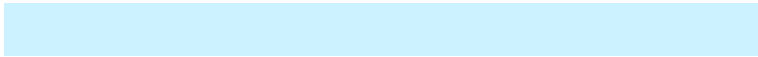
83.7034, 0.2824, 0.3153



83.7034, 0.3385, 0.3280

Square

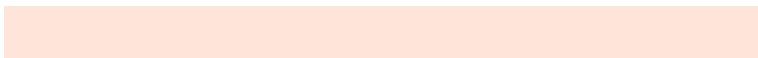
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7034, 0.2824, 0.3153



83.7034, 0.3099, 0.3058



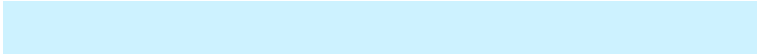
83.7034, 0.3440, 0.3415



83.7034, 0.3149, 0.3538

Rectangle

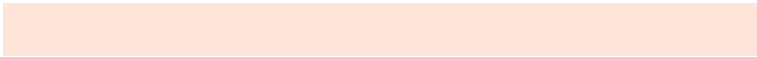
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



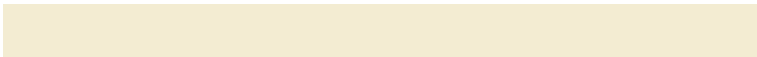
83.7034, 0.2824, 0.3153



83.7034, 0.2911, 0.3026



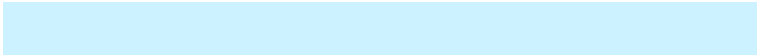
83.7034, 0.3440, 0.3415



83.7034, 0.3344, 0.3561

Sweetspot

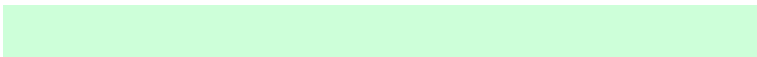
The Sweet Spot groups the original color and five complimentary colors.



83.7068, 0.2824, 0.3153



94.7076, 0.3034, 0.3251



89.5195, 0.3033, 0.3693



20.1516, 0.3024, 0.3246



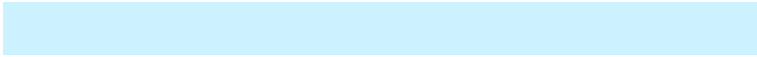
0.0000, 0.0000, 0.0000



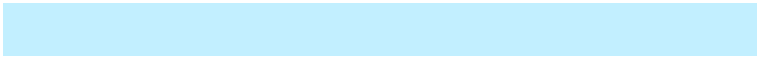
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7068, 0.2824, 0.3153



80.4724, 0.2758, 0.3119



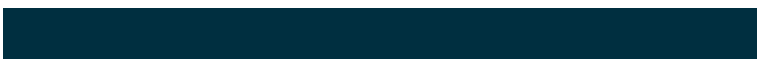
70.0621, 0.2808, 0.2886



19.6372, 0.2980, 0.3227



23.0171, 0.2007, 0.2424



2.4179, 0.2038, 0.2535

Inverse Universe

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



71.3153, 0.3241, 0.2923



65.9943, 0.3272, 0.2838



89.4543, 0.3446, 0.3664



18.2152, 0.3178, 0.3116



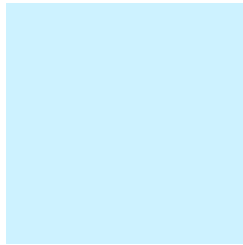
13.0516, 0.3998, 0.1976



1.2886, 0.3888, 0.1915

Previews

White Background



This preview shows how the Yxy color 83.7034, 0.2824, 0.3153 looks on a white background.

Color Contrast Check

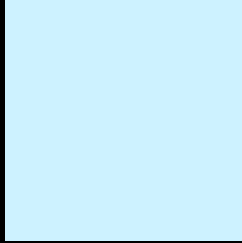
Large Text (above 18pt) WCAG AA × Fail

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 83.7034, 0.2824, 0.3153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

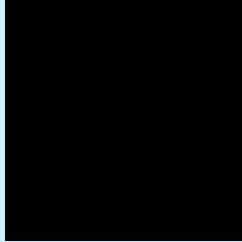
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

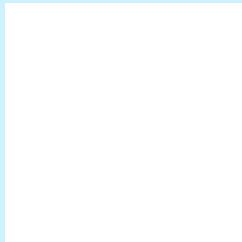
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7034, 0.2824, 0.3153

Background



This preview shows how black text looks on a background with the Yxy color 83.7034, 0.2824, 0.3153.

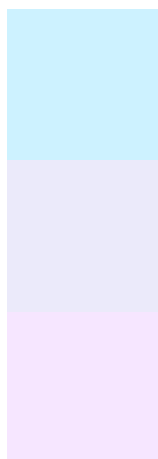


This preview shows how white text looks on a background with the Yxy color 83.7034, 0.2824, 0.3153.

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

83.7034, 0.2824, 0.3153

Protanopia

83.4099, 0.3036, 0.3128

Deuteranopia

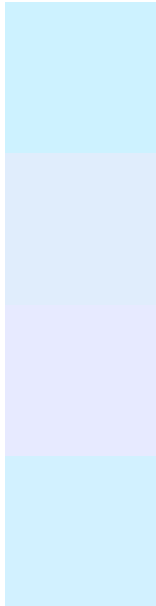
83.4065, 0.3078, 0.3044



Tritanopia

83.6863, 0.2870, 0.3134

Trichromacy



Original Color

83.7034, 0.2824, 0.3153

Protanomaly

83.4439, 0.2954, 0.3136

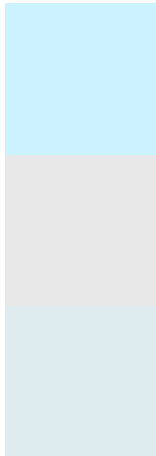
Deuteranomaly

83.0546, 0.2980, 0.3077

Tritanomaly

83.8322, 0.2853, 0.3143

Monochromacy



Original Color

83.7034, 0.2824, 0.3153

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.8118, 0.3011, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7034, 0.2824, 0.3153 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 242, 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(205, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.7034, 0.2824, 0.3153 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, 242, 255) }
```

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

```
.border{ border-color:rgb(205, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7034, 0.2824, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 242, 255) }
```

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

```
.background{ background-color: rgb(205,  
242, 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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