

Converting Colors

$Yxy(83.3679, 0.2814, 0.3097)$

Have a look what the booklet for
Yxy(83.3679, 0.2814, 0.3097)
contains.

Yxy(83.3960, 0.2835, 0.3143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.3960, 0.2835, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	CFF1FF
RGB	207, 241, 255
RGB Percent	81%, 95%, 100%
CMY	0.1884, 0.0548, 0.0001
CMYK	0.19, 0.05, 0.00, 0.00
HSL	197°, 100%, 91%
HSV	197°, 19%, 100%
XYZ	75.2236, 83.3960, 106.7193
YIQ	232.4300, -24.7580, -2.8540

Conversions

Conversions Part 2

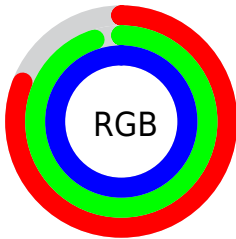
Format	Color
R_{YB}	207, 227, 255
Decimal	13627903
CIE _{Lab}	93.19, -8.14, -10.41
CIE _{LCh}	93, 13.216, 231.984
Yxy	83.3960, 0.2835, 0.3143
Android (android.graphics.Color)	4291817983 (0xFFCFF1FF)
YUV	232.4300, 11.1270, -22.3021
Hunter-Lab	91.3214, -12.7779, -5.3620

Details

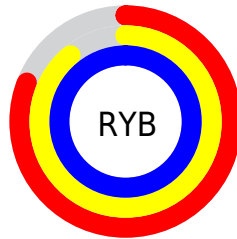
The Yxy color **83.3960, 0.2835, 0.3143** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4225, 0.3472, 0.3432**, and the grayscale version is **80.9590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4505, 0.2773, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **75.7212, 0.2683, 0.3054**, and if you desaturate by 10%, it is **91.8491, 0.2990, 0.3224**.

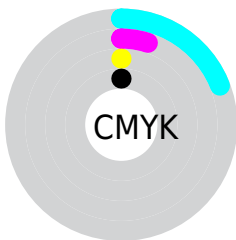
Distribution



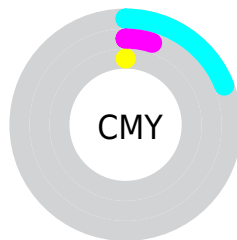
- Red (81%)
- Green (95%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3960, 0.2835, 0.3143 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 83.3960, 0.2835, 0.3143 by changing the saturation by 10% instead.

83.3960, 0.2835,
0.3143

83.3960, 0.2835,
0.3143

506.3053, 0.2966,
0.3211

62.5169, 0.2806,
0.3128

138.1300, 0.2880,
0.3166

45.4505, 0.2771,
0.3109

172.7536, 0.2897,
0.3176

31.8124, 0.2727,
0.3085

212.7275, 0.2912,
0.3183

21.2183, 0.2672,
0.3054

258.4361, 0.2926,
0.3190

13.2836, 0.2598,
0.3012

310.2638, 0.2937,
0.3196

7.6241, 0.2496,
0.2953

368.5950, 0.2948,

3.8554, 0.2346,

0.3202

0.2863

433.8140, 0.2957,
0.3206

■ 1.5930, 0.2106,
0.2709

■ 0.3529, 0.0849,
0.2193

■ 83.3960, 0.2835,
0.3143

■ 83.3960, 0.2835,
0.3143

■ 75.7212, 0.2683,
0.3054

■ 91.8491, 0.2990,
0.3224

■ 68.7838, 0.2537,
0.2958

99.9985, 0.3127,
0.3290

■ 62.5545, 0.2401,
0.2856

■ 56.9973, 0.2279,
0.2749

■ 52.0726, 0.2174,
0.2639

■ 47.7352, 0.2088,
0.2527

■ 43.9323, 0.2022,
0.2416

■ 40.5877, 0.1976,
0.2307

■ 40.2168, 0.1971,
0.2294

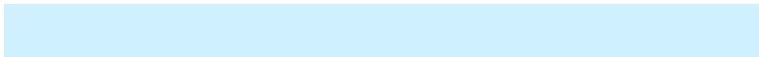
Harmonies

Analogous

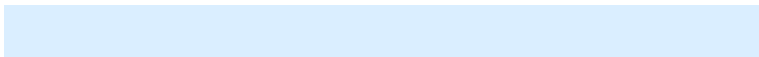
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3960, 0.2874, 0.3273



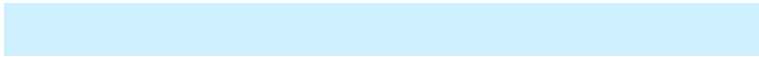
83.3960, 0.2835, 0.3143



83.3960, 0.2871, 0.3057

Triad

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



83.3960, 0.2835, 0.3143



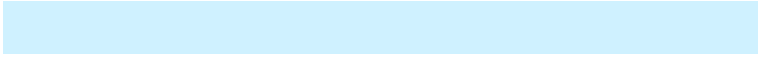
83.3960, 0.3273, 0.3171



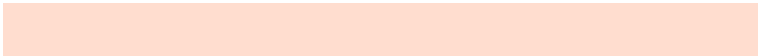
83.3960, 0.3276, 0.3558

Complementary

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



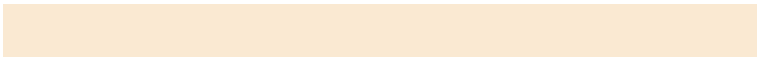
83.3960, 0.2835, 0.3143



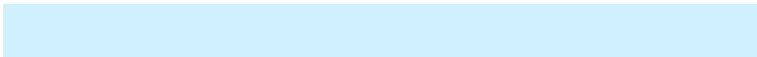
77.4225, 0.3472, 0.3432

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.



83.3960, 0.3388, 0.3523



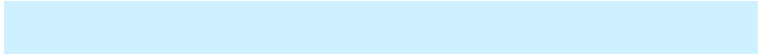
83.3960, 0.2835, 0.3143



83.3960, 0.3386, 0.3298

Square

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



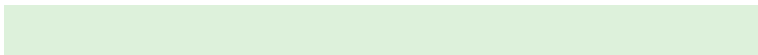
83.3960, 0.2835, 0.3143



83.3960, 0.3122, 0.3076



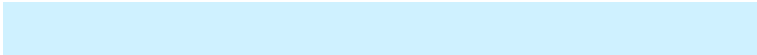
83.3960, 0.3428, 0.3426



83.3960, 0.3127, 0.3518

Rectangle

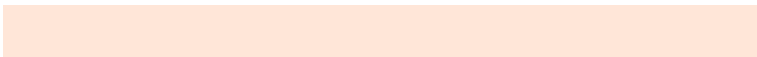
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3960, 0.2835, 0.3143



83.3960, 0.2934, 0.3034



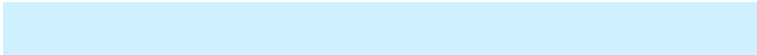
83.3960, 0.3428, 0.3426



83.3960, 0.3319, 0.3554

Sweetspot

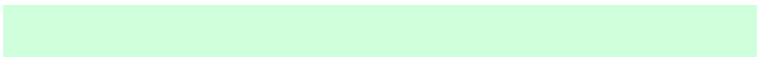
The Sweet Spot groups the original color and five complimentary colors.



83.3994, 0.2835, 0.3143



94.4086, 0.3034, 0.3246



89.9606, 0.3027, 0.3657



20.0808, 0.3024, 0.3241



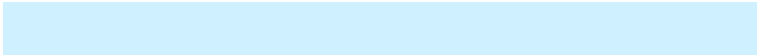
0.0000, 0.0000, 0.0000



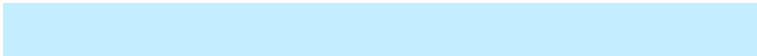
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3994, 0.2835, 0.3143



80.1261, 0.2771, 0.3107



70.2867, 0.2820, 0.2887



19.5372, 0.2980, 0.3219



21.2884, 0.1976, 0.2312



2.2612, 0.2010, 0.2437

Inverse Universe

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



72.2097, 0.3247, 0.2952



67.0684, 0.3278, 0.2874



90.8040, 0.3430, 0.3663



18.2051, 0.3183, 0.3123



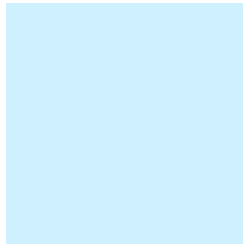
12.8770, 0.4113, 0.2040



1.2728, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 83.3960, 0.2835, 0.3143 looks on a white background.

Color Contrast Check

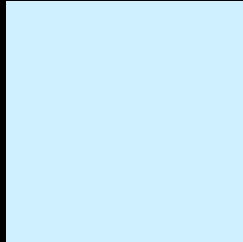
Large Text (above 18pt) WCAG AA × Fail

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 83.3960, 0.2835, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

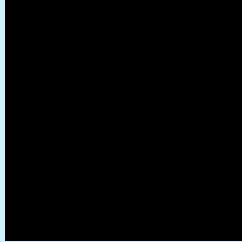
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

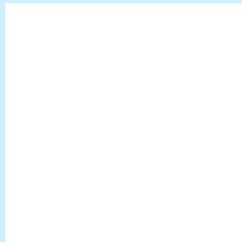
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3960, 0.2835, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 83.3960, 0.2835, 0.3143.

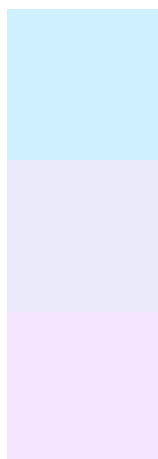


This preview shows how white text looks on a background with the Yxy color 83.3960, 0.2835, 0.3143.

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

83.3960, 0.2835, 0.3143

Protanopia

83.4099, 0.3036, 0.3128

Deuteranopia

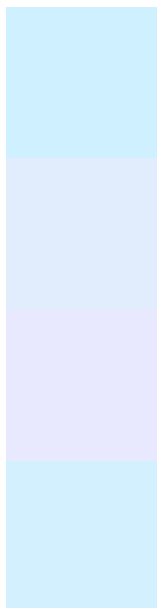
82.8515, 0.3079, 0.3034



Tritanopia

83.0991, 0.2870, 0.3123

Trichromacy



Original Color

83.3960, 0.2835, 0.3143

Protanomaly

83.6042, 0.2960, 0.3136

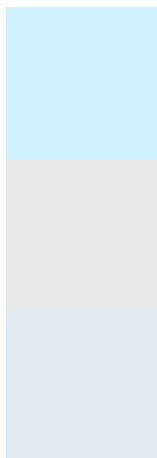
Deuteranomaly

82.6536, 0.2986, 0.3068

Tritanomaly

83.3891, 0.2858, 0.3133

Monochromacy



Original Color

83.3960, 0.2835, 0.3143

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3959, 0.3018, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3960, 0.2835, 0.3143 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(207, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 241, 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(207, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.3960, 0.2835, 0.3143 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(207, 241, 255) }
```

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

```
.border{ border-color:rgb(207, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3960, 0.2835, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 241, 255) }
```

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

```
.background{ background-color: rgb(207,  
241, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor