

Converting Colors

$Yxy(83.7330, 0.2834, 0.3200)$

Have a look what the booklet for
Yxy(83.7330, 0.2834, 0.3200)
contains.

Yxy(83.7627, 0.2835, 0.3205)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.7627, 0.2835, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	CBF3FB
RGB	203, 243, 251
RGB Percent	80%, 95%, 98%
CMY	0.2038, 0.0471, 0.0158
CMYK	0.19, 0.03, 0.00, 0.02
HSL	190°, 86%, 89%
HSV	190°, 19%, 98%
XYZ	74.0927, 83.7627, 103.4946
YIQ	231.9520, -26.4080, -5.9920

Conversions

Conversions Part 2

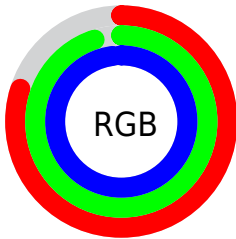
Format	Color
R _Y B	203, 225, 251
Decimal	13366267
CIE Lab	93.35, -11.16, -8.11
CIE LCh	93, 13.796, 216.029
Yxy	83.7627, 0.2835, 0.3205
Android (android.graphics.Color)	4291556347 (0xFFC _B F3F _B)
YUV	231.9520, 9.3907, -25.3909
Hunter-Lab	91.5220, -15.6565, -2.9808

Details

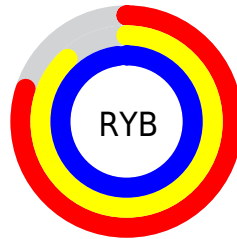
The Yxy color **83.7627, 0.2835, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3993, 0.3489, 0.3373**, and the grayscale version is **80.6062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7767, 0.2767, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **78.0566, 0.2691, 0.3155**, and if you desaturate by 10%, it is **90.1026, 0.2986, 0.3251**.

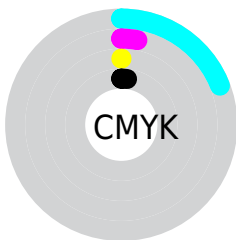
Distribution



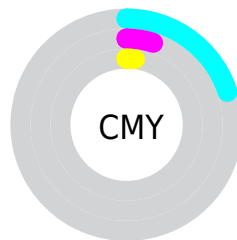
- Red (80%)
- Green (95%)
- Blue (98%)



- Red (80%)
- Yellow (88%)
- Blue (98%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7627, 0.2835, 0.3205 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 83.7627, 0.2835, 0.3205 by changing the saturation by 10% instead.

83.7627, 0.2835,
0.3205

83.7627, 0.2835,
0.3205

507.5249, 0.2966,
0.3245

62.8195, 0.2806,
0.3196

138.6432, 0.2879,
0.3219

45.6952, 0.2771,
0.3184

173.3493, 0.2897,
0.3224

32.0054, 0.2727,
0.3170

213.4118, 0.2912,
0.3229

21.3656, 0.2672,
0.3151

259.2152, 0.2926,
0.3233

13.3915, 0.2598,
0.3125

311.1438, 0.2937,
0.3237

7.6987, 0.2496,
0.3087

369.5820, 0.2948,

3.9028, 0.2346,

0.3240

0.3027

434.9143, 0.2957,
0.3242

1.6193, 0.2106,
0.2923

0.3706, 0.0562,
0.2607

83.7627, 0.2835,
0.3205

83.7627, 0.2835,
0.3205

78.0566, 0.2691,
0.3155

90.1026, 0.2986,
0.3251

72.9463, 0.2556,
0.3101

97.0918, 0.3141,
0.3294

68.4052, 0.2435,
0.3045

99.7425, 0.3150,
0.3329

64.4003, 0.2330,
0.2986

■ 60.8951, 0.2243,
0.2926

■ 57.8481, 0.2176,
0.2866

■ 55.2097, 0.2128,
0.2806

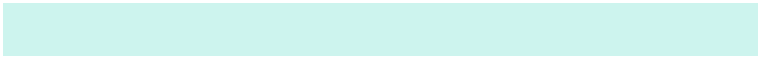
■ 52.9062, 0.2097,
0.2747

■ 52.7063, 0.2095,
0.2741

Harmonies

Analogous

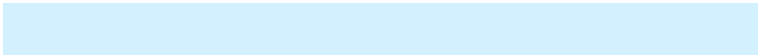
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7627, 0.2915, 0.3351



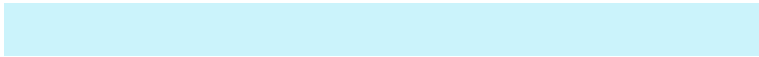
83.7627, 0.2835, 0.3205



83.7627, 0.2831, 0.3087

Triad

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



83.7627, 0.2835, 0.3205



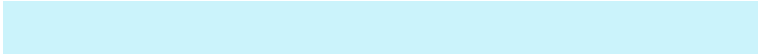
83.7627, 0.3197, 0.3108



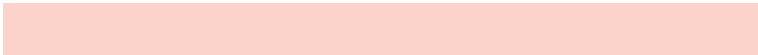
83.7627, 0.3352, 0.3559

Complementary

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



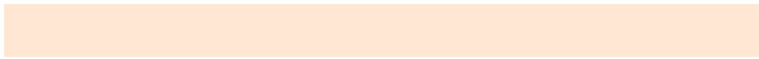
83.7627, 0.2835, 0.3205



71.3993, 0.3489, 0.3373

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.



83.7627, 0.3432, 0.3485



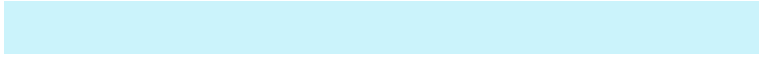
83.7627, 0.2835, 0.3205



83.7627, 0.3342, 0.3226

Square

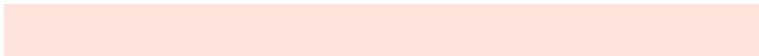
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



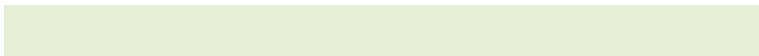
83.7627, 0.2835, 0.3205



83.7627, 0.3037, 0.3036



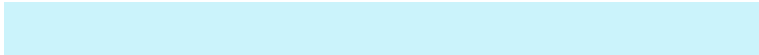
83.7627, 0.3429, 0.3363



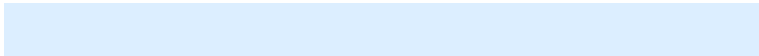
83.7627, 0.3212, 0.3560

Rectangle

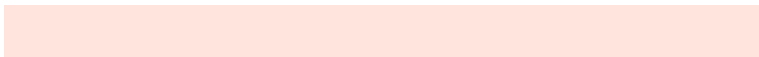
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



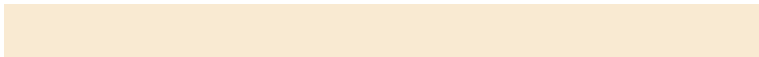
83.7627, 0.2835, 0.3205



83.7627, 0.2872, 0.3040



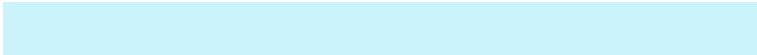
83.7627, 0.3429, 0.3363



83.7627, 0.3387, 0.3542

Sweetspot

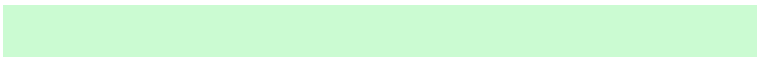
The Sweet Spot groups the original color and five complimentary colors.



83.7661, 0.2835, 0.3205



95.6027, 0.3034, 0.3265



86.3345, 0.3062, 0.3735



20.3637, 0.3024, 0.3262



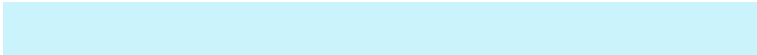
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.7661, 0.2835, 0.3205



84.4662, 0.2777, 0.3186



70.7493, 0.2820, 0.2952



19.0891, 0.2980, 0.3250



27.9001, 0.2098, 0.2751



2.7101, 0.2117, 0.2822

Inverse Universe

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



69.7007, 0.3205, 0.2890



67.5065, 0.3224, 0.2805



83.7664, 0.3446, 0.3606



17.4722, 0.3163, 0.3094



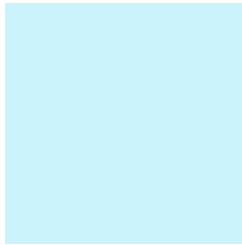
13.2274, 0.3680, 0.1801



1.2378, 0.3614, 0.1765

Previews

White Background



This preview shows how the Yxy color 83.7627, 0.2835, 0.3205 looks on a white background.

Color Contrast Check

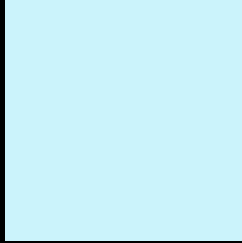
Large Text (above 18pt) WCAG AA × Fail

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 83.7627, 0.2835, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

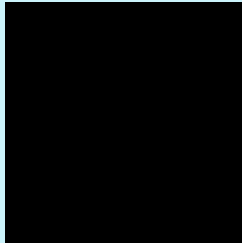
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7627, 0.2835, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 83.7627, 0.2835, 0.3205.

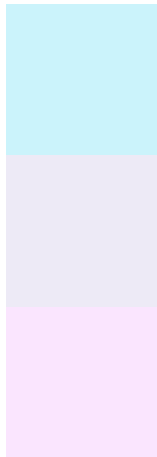


This preview shows how white text looks on a background with the Yxy color 83.7627, 0.2835, 0.3205.

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

83.7627, 0.2835, 0.3205

Protanopia

83.5040, 0.3073, 0.3169

Deuteranopia

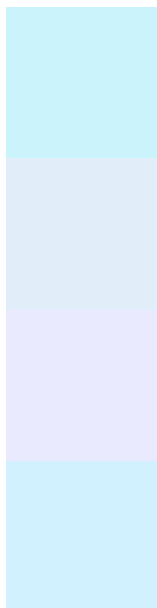
83.5184, 0.3112, 0.3045



Tritanopia

83.6863, 0.2870, 0.3134

Trichromacy



Original Color

83.7627, 0.2835, 0.3205

Protanomaly

83.3532, 0.2983, 0.3177

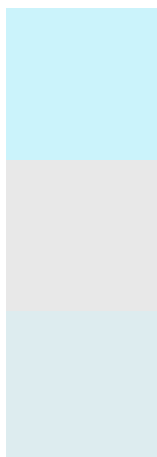
Deuteranomaly

83.2611, 0.3005, 0.3098

Tritanomaly

83.6217, 0.2852, 0.3153

Monochromacy



Original Color

83.7627, 0.2835, 0.3205

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5951, 0.3011, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7627, 0.2835, 0.3205 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(203, 243, 251)` looks like.

```
.text, #text, p{  
    color:rgb(203, 243, 251)  
}
```

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(203, 243, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 243, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.7627, 0.2835, 0.3205 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(203, 243, 251) }
```

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

```
.border{ border-color:rgb(203, 243, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 243, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 243, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 243, 251);  
box-shadow:4px 4px 4px 4px rgb(203, 243,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7627, 0.2835, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 243, 251) }
```

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

```
.background{ background-color: rgb(203,  
243, 251) }
```

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