

Converting Colors

$Yxy(83.4193, 0.2914, 0.3434)$

Have a look what the booklet for
Yxy(83.4193, 0.2914, 0.3434)
contains.

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Color

Yxy(83.2731, 0.2916, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	C7F5E8
RGB	199, 245, 232
RGB Percent	78%, 96%, 91%
CMY	0.2195, 0.0392, 0.0903
CMYK	0.19, 0.00, 0.05, 0.04
HSL	163°, 70%, 87%
HSV	163°, 19%, 96%
XYZ	70.7736, 83.2731, 88.6612
YIQ	229.7640, -23.2430, -13.7950

Conversions

Conversions Part 2

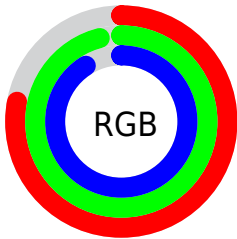
Format	Color
R _Y B	199, 226, 245
Decimal	13104616
CIE Lab	93.13, -17.21, 1.40
CIE LCh	93, 17.271, 175.350
Yxy	83.2731, 0.2916, 0.3431
Android (android.graphics.Color)	4291294696 (0xFFC7F5E8)
YUV	229.7640, 1.1023, -26.9800
Hunter-Lab	91.2541, -21.2560, 6.2725

Details

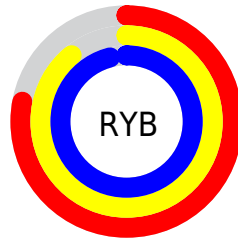
The Yxy color **83.2731, 0.2916, 0.3431** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0326, 0.3394, 0.3154**, and the grayscale version is **78.9567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4591, 0.2868, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **79.8029, 0.2813, 0.3517**, and if you desaturate by 10%, it is **87.3054, 0.3027, 0.3353**.

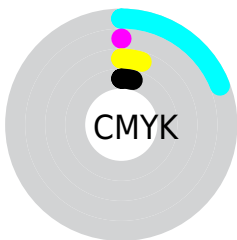
Distribution



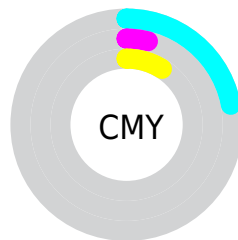
- Red (78%)
- Green (96%)
- Blue (91%)



- Red (78%)
- Yellow (89%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (22%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2731, 0.2916, 0.3431 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 83.2731, 0.2916, 0.3431 by changing the saturation by 10% instead.


 83.2731, 0.2916,
0.3431

 83.2731, 0.2916,
0.3431

505.8962, 0.3012,
0.3367

 62.4155, 0.2895,
0.3445


137.9579, 0.2949,
0.3409

 45.3685, 0.2869,
0.3463


172.5538, 0.2962,
0.3400

 31.7478, 0.2836,
0.3485


212.4980, 0.2973,
0.3393

 21.1689, 0.2794,
0.3514

258.1748, 0.2982,
0.3386

 13.2475, 0.2737,
0.3552

309.9687, 0.2991,
0.3381

 7.5992, 0.2658,
0.3607

368.2639, 0.2999,

 3.8396, 0.2539,

0.3376

0.3689

433.4450, 0.3005,
0.3371

■ 1.5842, 0.2339,
0.3830

■ 0.3469, 0.0000,
0.5535

■ 83.2731, 0.2916,
0.3431

■ 83.2731, 0.2916,
0.3431

■ 79.8029, 0.2813,
0.3517

■ 87.3054, 0.3027,
0.3353

■ 76.8584, 0.2719,
0.3610


■ 91.9135, 0.3142,
0.3282

■ 74.4151, 0.2639,
0.3709


■ 93.6449, 0.3145,
0.3215


■ 72.4422, 0.2576,
0.3812

■ 93.7853, 0.3132,
0.3194

 70.9056, 0.2530,
0.3919

 69.7664, 0.2505,
0.4028

 68.9786, 0.2500,
0.4136

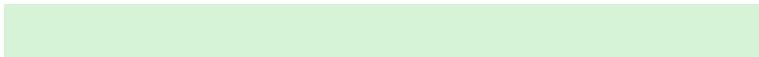
 68.4749, 0.2513,
0.4243

 68.4213, 0.2516,
0.4256

Harmonies

Analogous

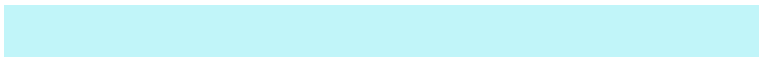
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2731, 0.3103, 0.3579



83.2731, 0.2916, 0.3431



83.2731, 0.2788, 0.3245

Triad

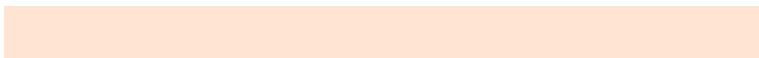
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2731, 0.2916, 0.3431



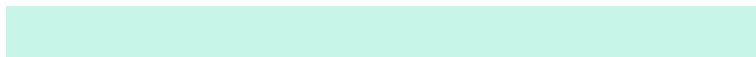
83.2731, 0.2948, 0.2960



83.2731, 0.3522, 0.3482

Complementary

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



83.2731, 0.2916, 0.3431



65.0326, 0.3394, 0.3154

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.



83.2731, 0.3478, 0.3318



83.2731, 0.2916, 0.3431



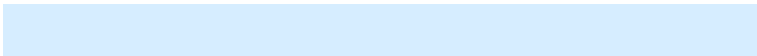
83.2731, 0.3142, 0.3023

Square

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



83.2731, 0.2916, 0.3431



83.2731, 0.2805, 0.2978



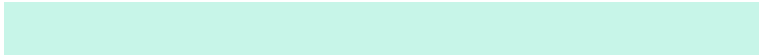
83.2731, 0.3338, 0.3153



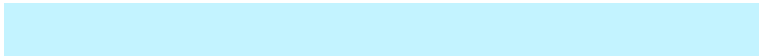
83.2731, 0.3455, 0.3603

Rectangle

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



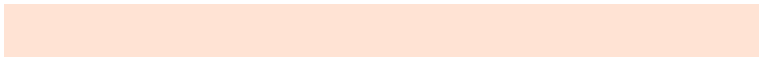
83.2731, 0.2916, 0.3431



83.2731, 0.2750, 0.3130



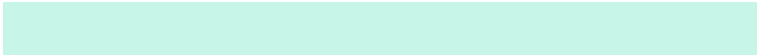
83.2731, 0.3338, 0.3153



83.2731, 0.3519, 0.3430

Sweetspot

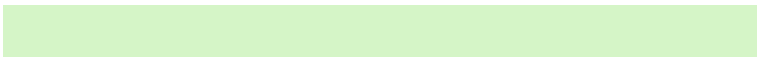
The Sweet Spot groups the original color and five complimentary colors.



83.2766, 0.2916, 0.3431



96.9365, 0.3058, 0.3332



83.5504, 0.3192, 0.3791



20.6800, 0.3050, 0.3337



0.0000, 0.0000, 0.0000



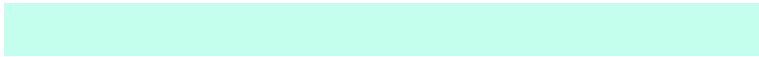
21.4041, 0.3127, 0.3290

Same Dimension

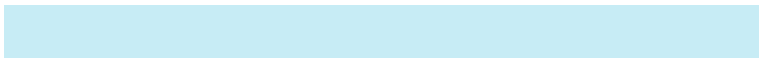
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2766, 0.2916, 0.3431



89.4975, 0.2871, 0.3467



78.6198, 0.2839, 0.3190



18.6730, 0.3018, 0.3358



36.8846, 0.2511, 0.4238



3.2594, 0.2473, 0.4104

Inverse Universe

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



65.0326, 0.3394, 0.3154



65.7010, 0.3471, 0.3121



68.7610, 0.3478, 0.3388



16.5598, 0.3249, 0.3223



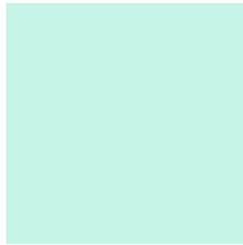
10.7130, 0.5821, 0.2980



0.9585, 0.5467, 0.2786

Previews

White Background



This preview shows how the Yxy color 83.2731, 0.2916, 0.3431 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 83.2731, 0.2916, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

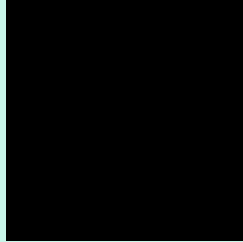
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

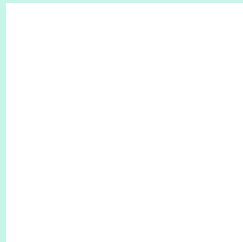
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2731, 0.2916, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 83.2731, 0.2916, 0.3431.

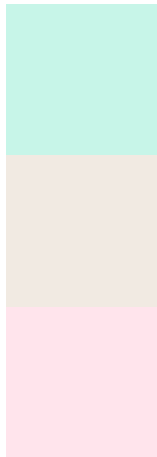


This preview shows how white text looks on a background with the Yxy color 83.2731, 0.2916, 0.3431.

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

83.2731, 0.2916, 0.3431

Protanopia

83.0374, 0.3225, 0.3372

Deuteranopia

82.8029, 0.3263, 0.3212



Tritanopia

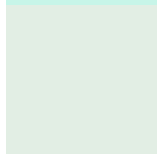
83.3891, 0.2858, 0.3133

Trichromacy



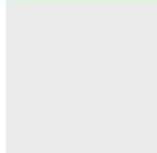
Original Color

83.2731, 0.2916, 0.3431



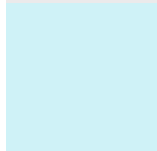
Protanomaly

82.9193, 0.3109, 0.3395



Deuteranomaly

82.5060, 0.3128, 0.3280



Tritanomaly

83.4851, 0.2879, 0.3236

Monochromacy



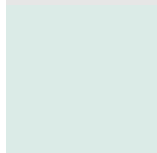
Original Color

83.2731, 0.2916, 0.3431



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.2463, 0.3046, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2731, 0.2916, 0.3431 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(199, 245, 232)` looks like.

```
.text, #text, p{  
    color:rgb(199, 245, 232)  
}
```

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(199, 245, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 245, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.2731, 0.2916, 0.3431 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(199, 245, 232) }
```

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

```
.border{ border-color:rgb(199, 245, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 245, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 245, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 245, 232);  
box-shadow:4px 4px 4px 4px rgb(199, 245,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2731, 0.2916, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 245, 232) }
```

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

```
.background{ background-color: rgb(199,  
245, 232) }
```

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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