

Converting Colors

$Yxy(83.3314, 0.2932, 0.3497)$

Have a look what the booklet for
Yxy(83.3314, 0.2932, 0.3497)
contains.

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Color

Yxy(83.3279, 0.2932, 0.3497)

Conversions

Conversions Part 1

Format	Color
Hex	C5F6E3
RGB	197, 246, 227
RGB Percent	77%, 96%, 89%
CMY	0.2271, 0.0354, 0.1097
CMYK	0.20, 0.00, 0.08, 0.04
HSL	157°, 73%, 87%
HSV	157°, 20%, 96%
XYZ	69.8649, 83.3279, 85.0912
YIQ	229.1830, -23.1050, -16.2970

Conversions

Conversions Part 2

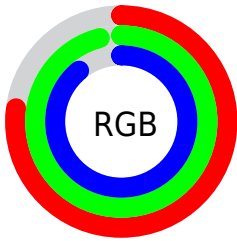
Format	Color
RYB	197, 227, 246
Decimal	12973795
CIELab	93.16, -19.27, 3.98
CIElCh	93, 19.672, 168.320
Yxy	83.3279, 0.2932, 0.3497
Android (android.graphics.Color)	4291163875 (0xFFC5F6E3)
YUV	229.1830, -1.0762, -28.2245
Hunter-Lab	91.2841, -23.1311, 8.6312

Details

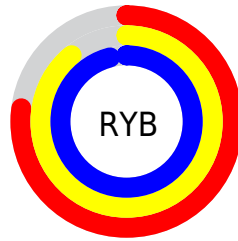
The Yxy color **83.3279, 0.2932, 0.3497** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5199, 0.3373, 0.3092**, and the grayscale version is **78.5308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **45.5563, 0.2882, 0.3547** is the 20% darker color. If you saturate the color by 10%, you get **79.7632, 0.2842, 0.3617**, and if you desaturate by 10%, it is **87.4706, 0.3028, 0.3387**.

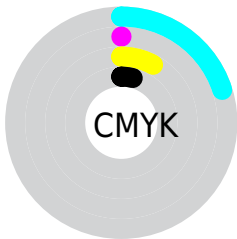
Distribution



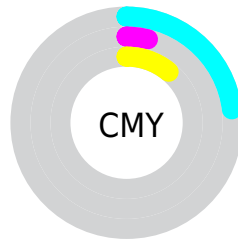
- Red (77%)
- Green (96%)
- Blue (89%)



- Red (77%)
- Yellow (89%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)





- Cyan (23%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3279, 0.2932, 0.3497 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 83.3279, 0.2932, 0.3497 by changing the saturation by 10% instead.


 83.3279, 0.2932,
0.3497

 83.3279, 0.2932,
0.3497

506.0787, 0.3021,
0.3402

 62.4607, 0.2912,
0.3518


138.0346, 0.2963,
0.3464

 45.4051, 0.2888,
0.3545


172.6429, 0.2974,
0.3451

 31.7766, 0.2857,
0.3578


212.6004, 0.2985,
0.3440

 21.1909, 0.2817,
0.3622

258.2914, 0.2994,
0.3431

 13.2636, 0.2764,
0.3680

310.1003, 0.3002,
0.3422

 7.6103, 0.2688,
0.3764

368.4116, 0.3009,

 3.8466, 0.2573,

0.3415

0.3894

433.6096, 0.3015,
0.3408

■ 1.5881, 0.2377,
0.4120

■ 0.3496, 0.0000,
0.7738

■ 83.3279, 0.2932,
0.3497

■ 83.3279, 0.2932,
0.3497

■ 79.7632, 0.2842,
0.3617

■ 87.4706, 0.3028,
0.3387

■ 76.7394, 0.2761,
0.3748


■ 92.2058, 0.3128,
0.3289

■ 74.2310, 0.2692,
0.3888


■ 94.3826, 0.3131,
0.3204

■ 72.2064, 0.2639,
0.4035

 70.6304, 0.2605,
0.4186

 69.4626, 0.2591,
0.4339

 68.6552, 0.2597,
0.4490

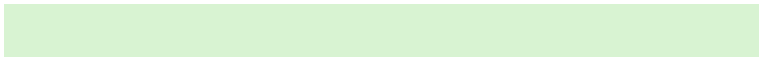
 68.1300, 0.2622,
0.4637

 68.1244, 0.2622,
0.4639

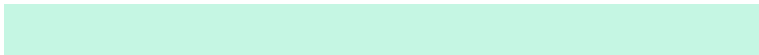
Harmonies

Analogous

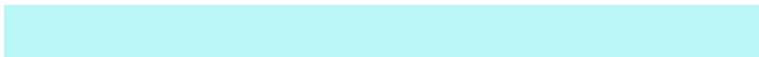
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3279, 0.3152, 0.3648



83.3279, 0.2932, 0.3497



83.3279, 0.2768, 0.3288

Triad

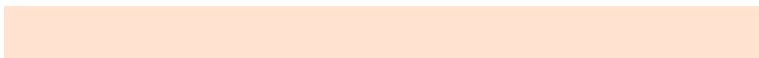
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3279, 0.2932, 0.3497



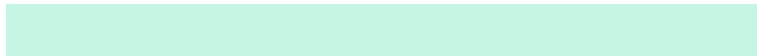
83.3279, 0.2878, 0.2912



83.3279, 0.3577, 0.3466

Complementary

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



83.3279, 0.2932, 0.3497



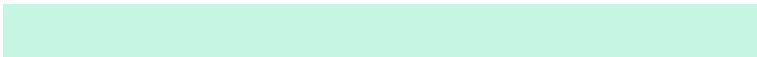
64.5199, 0.3373, 0.3092

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.



83.3279, 0.3499, 0.3275



83.3279, 0.2932, 0.3497



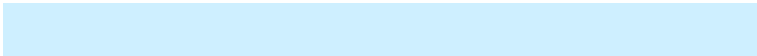
83.3279, 0.3089, 0.2964

Square

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



83.3279, 0.2932, 0.3497



83.3279, 0.2737, 0.2954



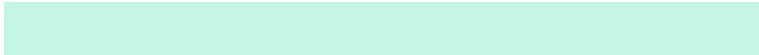
83.3279, 0.3318, 0.3095



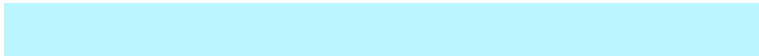
83.3279, 0.3529, 0.3620

Rectangle

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



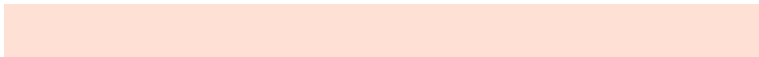
83.3279, 0.2932, 0.3497



83.3279, 0.2709, 0.3150



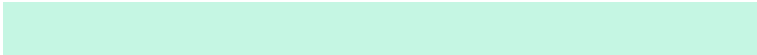
83.3279, 0.3318, 0.3095



83.3279, 0.3564, 0.3404

Sweetspot

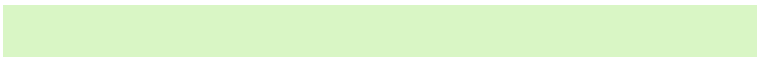
The Sweet Spot groups the original color and five complimentary colors.



83.3314, 0.2932, 0.3497



96.8366, 0.3067, 0.3348



84.6347, 0.3228, 0.3819



20.6564, 0.3060, 0.3355



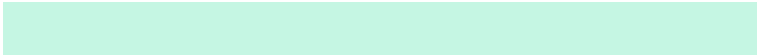
0.0000, 0.0000, 0.0000



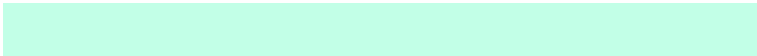
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3314, 0.2932, 0.3497



88.7478, 0.2893, 0.3546



81.5011, 0.2826, 0.3236



18.6426, 0.3032, 0.3383



36.3954, 0.2615, 0.4614



3.2189, 0.2564, 0.4429

Inverse Universe

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



64.5199, 0.3373, 0.3092



64.7919, 0.3439, 0.3049



65.8531, 0.3513, 0.3343



16.5889, 0.3233, 0.3199



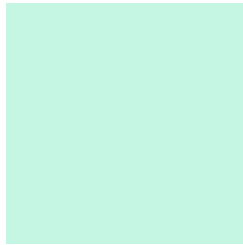
10.9280, 0.5429, 0.2765



0.9800, 0.5093, 0.2579

Previews

White Background



This preview shows how the Yxy color 83.3279, 0.2932, 0.3497 looks on a white background.

Color Contrast Check

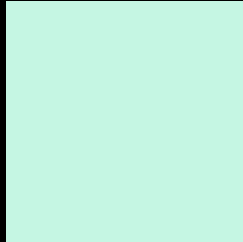
Large Text (above 18pt) WCAG AA × Fail

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 83.3279, 0.2932, 0.3497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

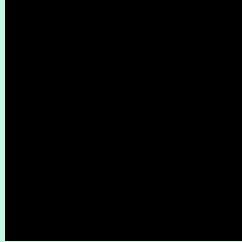
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

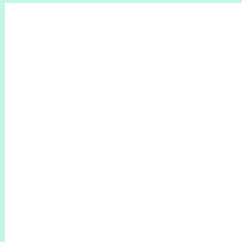
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3279, 0.2932, 0.3497

Background



This preview shows how black text looks on a background with the Yxy color 83.3279, 0.2932, 0.3497.

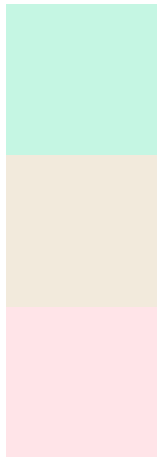


This preview shows how white text looks on a background with the Yxy color 83.3279, 0.2932, 0.3497.

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

83.3279, 0.2932, 0.3497

Protanopia

82.8902, 0.3271, 0.3434

Deuteranopia

82.5730, 0.3289, 0.3251



Tritanopia

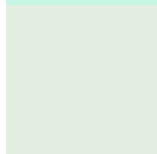
83.3891, 0.2858, 0.3133

Trichromacy



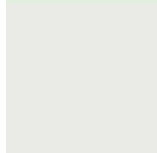
Original Color

83.3279, 0.2932, 0.3497



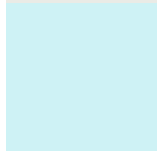
Protanomaly

82.6455, 0.3140, 0.3448



Deuteranomaly

82.6223, 0.3152, 0.3342



Tritanomaly

83.2186, 0.2884, 0.3257

Monochromacy



Original Color

83.3279, 0.2932, 0.3497



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

79.7698, 0.3051, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3279, 0.2932, 0.3497 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(197, 246, 227)` looks like.

```
.text, #text, p{  
    color:rgb(197, 246, 227)  
}
```

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(197, 246, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 246, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.3279, 0.2932, 0.3497 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(197, 246, 227) }
```

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

```
.border{ border-color:rgb(197, 246, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 246, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 246, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 246, 227);  
box-shadow:4px 4px 4px 4px rgb(197, 246,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3279, 0.2932, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 246, 227) }
```

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

```
.background{ background-color: rgb(197,  
246, 227) }
```

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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