

# Converting Colors

$Yxy(83.2683, 0.2972, 0.3422)$

Have a look what the booklet for  
Yxy(83.2683, 0.2972, 0.3422)  
contains.

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# Color

**Yxy(83.1361, 0.2969, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF3E7
RGB	207, 243, 231
RGB Percent	81%, 95%, 91%
CMY	0.1884, 0.0470, 0.0942
CMYK	0.15, 0.00, 0.05, 0.05
HSL	160°, 60%, 88%
HSV	160°, 15%, 95%
XYZ	72.1939, 83.1361, 87.8291
YIQ	230.8680, -17.6040, -11.3640

# Conversions

## Conversions Part 2

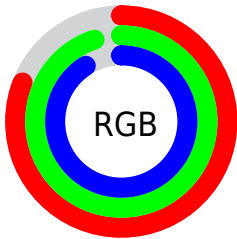
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 229, 243
Decimal	13628391
CIE <sub>Lab</sub>	93.07, -13.94, 1.88
CIE <sub>LCh</sub>	93, 14.071, 172.309
Yxy	83.1361, 0.2969, 0.3419
Android (android.graphics.Color)	4291818471 (0xFFCFF3E7)
YUV	230.8680, 0.0651, -20.9322
Hunter-Lab	91.1790, -18.2301, 6.7136

# Details

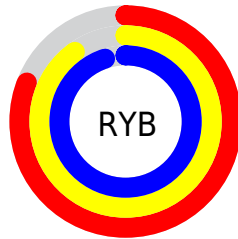
The Yxy color **83.1361, 0.2969, 0.3419** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7741, 0.3316, 0.3165**, and the grayscale version is **79.8124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3112, 0.2935, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **79.4578, 0.2869, 0.3517**, and if you desaturate by 10%, it is **87.3812, 0.3075, 0.3330**.

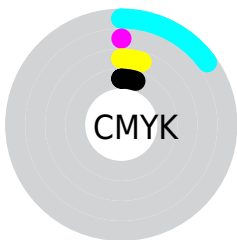
# Distribution



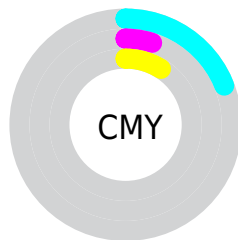
- Red (81%)
- Green (95%)
- Blue (91%)



- Red (81%)
- Yellow (90%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (19%)
- Magenta (5%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1361, 0.2969, 0.3419 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 83.1361, 0.2969, 0.3419 by changing the saturation by 10% instead.




 83.1361, 0.2969,  
0.3419

 83.1361, 0.2969,  
0.3419

505.4400, 0.3041,  
0.3360

 62.3024, 0.2953,  
0.3432


137.7661, 0.2994,  
0.3399

 45.2771, 0.2933,  
0.3448


172.3312, 0.3003,  
0.3391

 31.6758, 0.2909,  
0.3469


212.2422, 0.3012,  
0.3384

 21.1140, 0.2877,  
0.3495

257.8835, 0.3019,  
0.3378

 13.2073, 0.2834,  
0.3531

309.6396, 0.3025,  
0.3373

 7.5715, 0.2774,  
0.3581

367.8947, 0.3031,

 3.8220, 0.2683,

0.3368

0.3658

433.0334, 0.3036,  
0.3364

■ 1.5745, 0.2529,  
0.3791

■ 0.3403, 0.0000,  
0.5876

■ 83.1361, 0.2969,  
0.3419

■ 83.1361, 0.2969,  
0.3419

■ 79.4578, 0.2869,  
0.3517

■ 87.3812, 0.3075,  
0.3330

■ 76.3111, 0.2777,  
0.3624

■ 92.1005, 0.3180,  
0.3250

■ 73.6727, 0.2696,  
0.3739

■ 92.5926, 0.3133,  
0.3175

■ 71.5135, 0.2630,  
0.3861

■ 69.8013, 0.2581,  
0.3988

■ 68.4999, 0.2552,  
0.4117

■ 67.5672, 0.2544,  
0.4247

■ 66.9516, 0.2555,  
0.4375

■ 66.7184, 0.2567,  
0.4440

# Harmonies

## Analogous

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



83.1361, 0.3125, 0.3533



83.1361, 0.2969, 0.3419



83.1361, 0.2857, 0.3270

# Triad

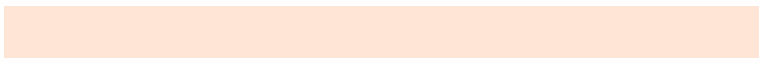
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1361, 0.2969, 0.3419



83.1361, 0.2967, 0.3017



83.1361, 0.3449, 0.3436

# Complementary

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



83.1361, 0.2969, 0.3419



68.7741, 0.3316, 0.3165

# 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.



83.1361, 0.3404, 0.3300



83.1361, 0.2969, 0.3419



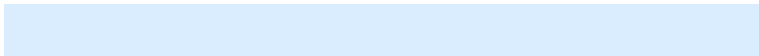
83.1361, 0.3123, 0.3063

# Square

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



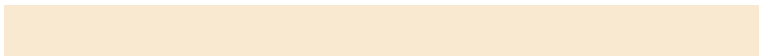
83.1361, 0.2969, 0.3419



83.1361, 0.2856, 0.3041



83.1361, 0.3284, 0.3165



83.1361, 0.3404, 0.3538

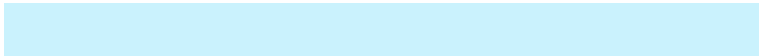


# Rectangle

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



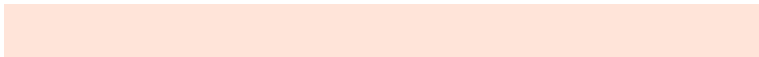
83.1361, 0.2969, 0.3419



83.1361, 0.2821, 0.3174



83.1361, 0.3284, 0.3165



83.1361, 0.3444, 0.3393

# Sweetspot

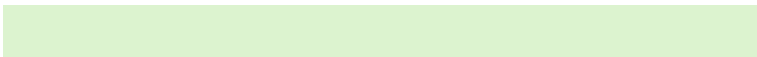
The Sweet Spot groups the original color and five complimentary colors.



83.1396, 0.2969, 0.3419



97.8992, 0.3084, 0.3323



83.7647, 0.3191, 0.3677



20.8724, 0.3076, 0.3329



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

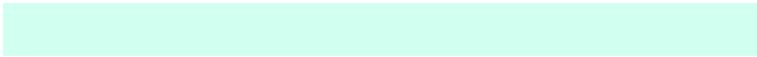


# Same Dimension

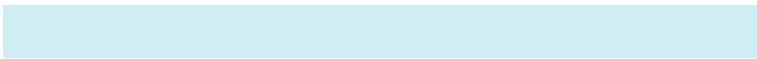
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1396, 0.2969, 0.3419



91.3623, 0.2936, 0.3450



80.6523, 0.2899, 0.3232



18.6583, 0.3025, 0.3370



36.6370, 0.2561, 0.4420



3.2391, 0.2517, 0.4260



# Inverse Universe

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



68.7741, 0.3316, 0.3165



72.3145, 0.3364, 0.3136



70.8288, 0.3396, 0.3348



16.5737, 0.3241, 0.3211



10.8070, 0.5641, 0.2881



0.9681, 0.5290, 0.2688



# Previews

## White Background



This preview shows how the Yxy color 83.1361, 0.2969, 0.3419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

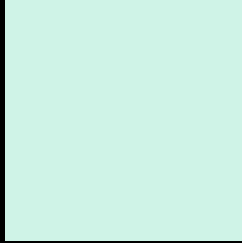
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1361, 0.2969, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

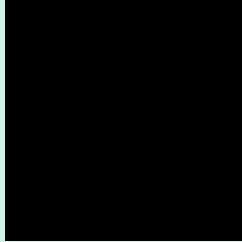
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

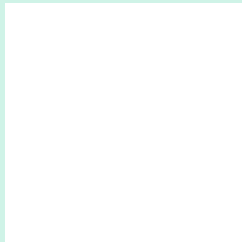
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.1361, 0.2969, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1361, 0.2969, 0.3419.

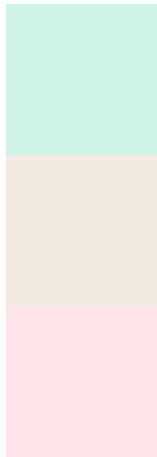


This preview shows how white text looks on a background with the Yxy color 83.1361, 0.2969, 0.3419.

# 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

83.1361, 0.2969, 0.3419

### Protanopia

83.0374, 0.3225, 0.3372

### Deuteranopia

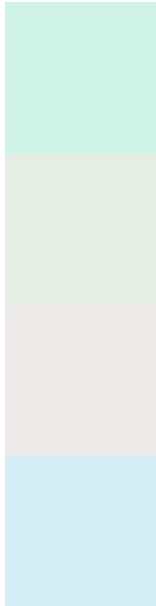
82.6873, 0.3276, 0.3231



## Tritanopia

82.8161, 0.2881, 0.3113

# Trichromacy



**Original Color**

83.1361, 0.2969, 0.3419

**Protanomaly**

82.8278, 0.3129, 0.3384

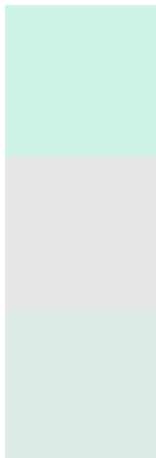
**Deuteranomaly**

82.3382, 0.3161, 0.3290

**Tritanomaly**

82.9710, 0.2914, 0.3226

# Monochromacy



**Original Color**

83.1361, 0.2969, 0.3419

**Achromatopsia**

79.9103, 0.3127, 0.3290

**Achromatomaly**

80.7158, 0.3065, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1361, 0.2969, 0.3419 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, 243, 231)` looks like.

```
.text, #text, p{  
    color:rgb(207, 243, 231)  
}
```

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, 243, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 243, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1361, 0.2969, 0.3419 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, 243, 231) }
```

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

```
.border{ border-color:rgb(207, 243, 231) }
```

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

Here you see how a box with a 4 pixel rgb(207, 243, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 243, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 243, 231);  
box-shadow:4px 4px 4px 4px rgb(207, 243,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1361, 0.2969, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 243, 231) }
```

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

```
.background{ background-color: rgb(207,  
243, 231) }
```

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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