

# Converting Colors

$Yxy(83.4294, 0.2982, 0.3347)$

Have a look what the booklet for  
Yxy(83.4294, 0.2982, 0.3347)  
contains.

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# Color

**Yxy(83.2629, 0.2984, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F1EC
RGB	214, 241, 236
RGB Percent	84%, 95%, 93%
CMY	0.1608, 0.0549, 0.0747
CMYK	0.11, 0.00, 0.02, 0.05
HSL	169°, 49%, 89%
HSV	169°, 11%, 95%
XYZ	74.3214, 83.2629, 91.4821
YIQ	232.3570, -14.4870, -7.2790

# Conversions

## Conversions Part 2

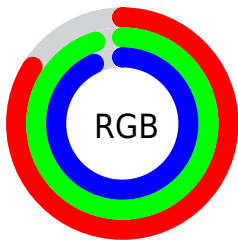
Format	Color
R <sub>Y</sub> B	214, 229, 241
Decimal	14086636
CIE Lab	93.13, -9.75, -0.57
CIE LCh	93, 9.762, 183.333
Yxy	83.2629, 0.2984, 0.3343
Android (android.graphics.Color)	4292276716 (0xFFD6F1EC)
YUV	232.3570, 1.7960, -16.0991
Hunter-Lab	91.2485, -14.2976, 4.4322

# Details

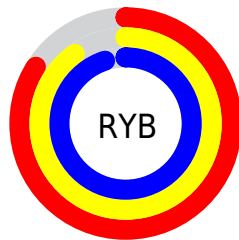
The Yxy color **83.2629, 0.2984, 0.3343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9103, 0.3292, 0.3238**, and the grayscale version is **80.9718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3641, 0.2953, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **79.6461, 0.2863, 0.3395**, and if you desaturate by 10%, it is **87.4298, 0.3111, 0.3295**.

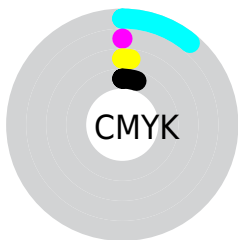
# Distribution



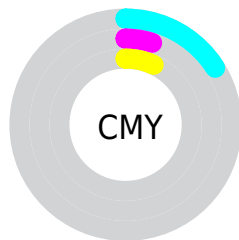
- Red (84%)
- Green (95%)
- Blue (93%)



- Red (84%)
- Yellow (90%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (16%)
- Magenta (5%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2629, 0.2984, 0.3343 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 83.2629, 0.2984, 0.3343 by changing the saturation by 10% instead.




 83.2629, 0.2984,  
0.3343

 83.2629, 0.2984,  
0.3343

505.8623, 0.3049,  
0.3319

 62.4071, 0.2970,  
0.3348


137.9436, 0.3006,  
0.3335

 45.3617, 0.2952,  
0.3355

172.5373, 0.3015,  
0.3332

 31.7424, 0.2930,  
0.3363


212.4790, 0.3022,  
0.3329

 21.1648, 0.2902,  
0.3373

258.1532, 0.3029,  
0.3327

 13.2445, 0.2864,  
0.3387

309.9442, 0.3035,  
0.3324

 7.5972, 0.2811,  
0.3406


368.2364, 0.3040,


 3.8383, 0.2731,


0.3323


433.4143, 0.3044,  
0.3321


0.3435


 1.5835, 0.2597,  
0.3482

 0.3464, 0.1069,  
0.4053


 83.2629, 0.2984,  
0.3343


 83.2629, 0.2984,  
0.3343


 79.6461, 0.2863,  
0.3395

 87.4298, 0.3111,  
0.3295


 76.5453, 0.2751,  
0.3452

 90.7676, 0.3195,  
0.3252

 73.9389, 0.2651,  
0.3512

 91.0459, 0.3167,  
0.3209

 71.7994, 0.2566,  
0.3576

 91.3310, 0.3140,  
0.3166

70.0967, 0.2499,  
0.3643

91.3969, 0.3133,  
0.3156

68.7973, 0.2451,  
0.3711

67.8624, 0.2423,  
0.3779

67.2458, 0.2414,  
0.3847

66.9017, 0.2418,  
0.3906

# Harmonies

## Analogous

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



83.2629, 0.3085, 0.3433



83.2629, 0.2984, 0.3343



83.2629, 0.2922, 0.3240

# Triad

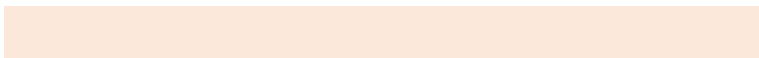
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2629, 0.2984, 0.3343



83.2629, 0.3054, 0.3106



83.2629, 0.3345, 0.3423

# Complementary

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



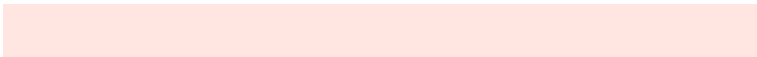
83.2629, 0.2984, 0.3343



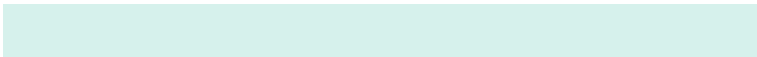
71.9103, 0.3292, 0.3238

# 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.



83.2629, 0.3337, 0.3334



83.2629, 0.2984, 0.3343



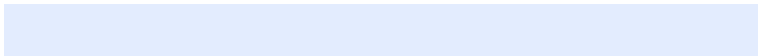
83.2629, 0.3167, 0.3154

# Square

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



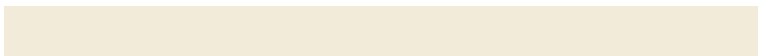
83.2629, 0.2984, 0.3343



83.2629, 0.2962, 0.3105



83.2629, 0.3271, 0.3236



83.2629, 0.3294, 0.3478

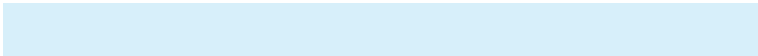


# Rectangle

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



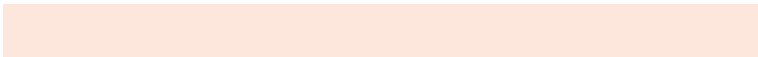
83.2629, 0.2984, 0.3343



83.2629, 0.2910, 0.3179



83.2629, 0.3271, 0.3236



83.2629, 0.3349, 0.3396

# Sweetspot

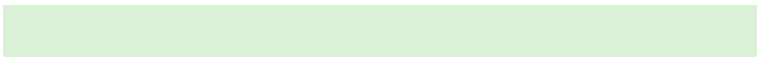
The Sweet Spot groups the original color and five complimentary colors.



83.2664, 0.2984, 0.3343



98.4861, 0.3088, 0.3304



82.8937, 0.3149, 0.3579



20.9956, 0.3078, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

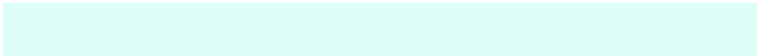


# Same Dimension

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



83.2664, 0.2984, 0.3343



93.8534, 0.2961, 0.3352



78.8717, 0.2954, 0.3203



17.8753, 0.3006, 0.3334



36.2945, 0.2415, 0.3895



3.0323, 0.2391, 0.3806



# Inverse Universe

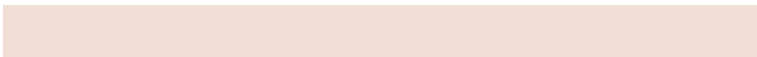
The Inverse Universe completely reimagines the original color for something new.



71.9103, 0.3292, 0.3238



79.0267, 0.3323, 0.3229



75.8533, 0.3318, 0.3375



15.8071, 0.3264, 0.3246



10.2583, 0.6108, 0.3138

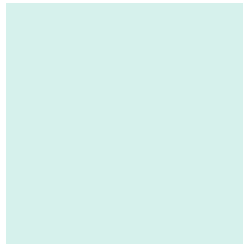


0.8666, 0.5762, 0.2948



# Previews

## White Background



This preview shows how the Yxy color 83.2629, 0.2984, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

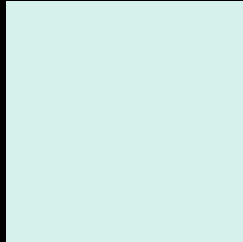
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2629, 0.2984, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

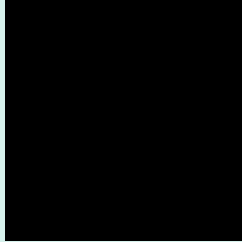
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

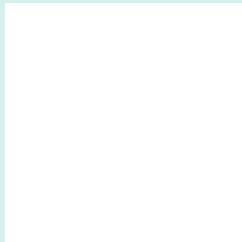
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.2629, 0.2984, 0.3343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2629, 0.2984, 0.3343.

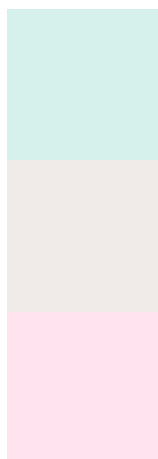


This preview shows how white text looks on a background with the Yxy color 83.2629, 0.2984, 0.3343.

# 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

83.2629, 0.2984, 0.3343

### Protanopia

83.1971, 0.3180, 0.3311

### Deuteranopia

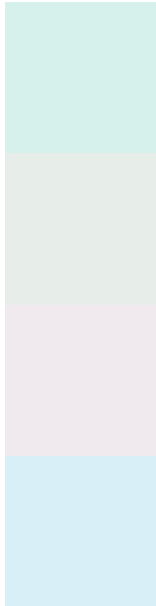
82.9788, 0.3243, 0.3182



## Tritanopia

83.4291, 0.2906, 0.3114

# Trichromacy



**Original Color**

83.2629, 0.2984, 0.3343

**Protanomaly**

83.4405, 0.3112, 0.3331

**Deuteranomaly**

82.9761, 0.3143, 0.3239

**Tritanomaly**

83.2620, 0.2933, 0.3196

# Monochromacy



**Original Color**

83.2629, 0.2984, 0.3343

**Achromatopsia**

80.6952, 0.3127, 0.3290

**Achromatomaly**

81.3074, 0.3073, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  83.2629, 0.2984, 0.3343 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(214, 241, 236)` looks like.

```
.text, #text, p{  
    color:rgb(214, 241, 236)  
}
```

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(214, 241, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 241, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2629, 0.2984, 0.3343 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(214, 241, 236) }
```

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

```
.border{ border-color:rgb(214, 241, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 241, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 241, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 241, 236);  
box-shadow:4px 4px 4px 4px rgb(214, 241,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2629, 0.2984, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 241, 236) }
```

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

```
.background{ background-color: rgb(214,  
241, 236) }
```

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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