

# Converting Colors

Yxy(83.8043, 0.2964, 0.3339)

Have a look what the booklet for  
Yxy(83.8043, 0.2964, 0.3339)  
contains.

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# Color

**Yxy(83.6744, 0.2960, 0.3332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F2EE
RGB	212, 242, 238
RGB Percent	83%, 95%, 93%
CMY	0.1687, 0.0509, 0.0667
CMYK	0.12, 0.00, 0.02, 0.05
HSL	172°, 54%, 89%
HSV	172°, 12%, 95%
XYZ	74.3326, 83.6744, 93.1166
YIQ	232.5740, -16.5960, -7.6040

# Conversions

## Conversions Part 2

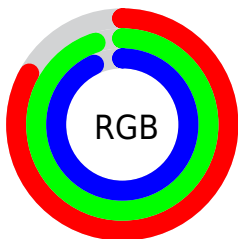
Format	Color
R <sub>Y</sub> B	212, 228, 242
Decimal	13955822
CIE Lab	93.31, -10.50, -1.38
CIE LCh	93, 10.585, 187.466
Yxy	83.6744, 0.2960, 0.3332
Android (android.graphics.Color)	4292145902 (0xFFD4F2EE)
YUV	232.5740, 2.6750, -18.0434
Hunter-Lab	91.4737, -15.0278, 3.6767

# Details

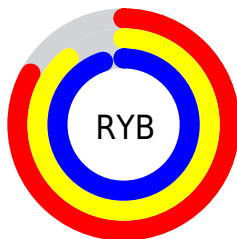
The Yxy color **83.6744, 0.2960, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9185, 0.3324, 0.3249**, and the grayscale version is **81.1380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6633, 0.2923, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **80.1584, 0.2833, 0.3369**, and if you desaturate by 10%, it is **87.7398, 0.3094, 0.3298**.

# Distribution



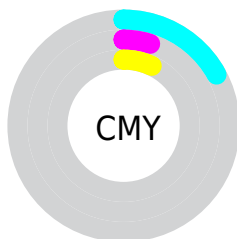
- Red (83%)
- Green (95%)
- Blue (93%)



- Red (83%)
- Yellow (89%)
- Blue (95%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (17%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6744, 0.2960, 0.3332 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 83.6744, 0.2960, 0.3332 by changing the saturation by 10% instead.



 83.6744, 0.2960,  
0.3332

 83.6744, 0.2960,  
0.3332

507.2314, 0.3035,  
0.3313

 62.7467, 0.2943,  
0.3336


138.5196, 0.2986,  
0.3326

 45.6363, 0.2923,  
0.3341


173.2059, 0.2996,  
0.3323

 31.9589, 0.2897,  
0.3347


213.2471, 0.3005,  
0.3321

 21.3301, 0.2864,  
0.3355

259.0277, 0.3012,  
0.3319

 13.3655, 0.2821,  
0.3365

310.9320, 0.3019,  
0.3317

 7.6807, 0.2759,  
0.3379

369.3444, 0.3025,

 3.8913, 0.2668,

0.3316

0.3400

434.6494, 0.3030,  
0.3315

■ 1.6130, 0.2515,  
0.3433

■ 0.3663, 0.0965,  
0.3843

■ 83.6744, 0.2960,  
0.3332

■ 83.6744, 0.2960,  
0.3332

■ 80.1584, 0.2833,  
0.3369

■ 87.7398, 0.3094,  
0.3298

■ 77.1575, 0.2717,  
0.3410


■ 91.3298, 0.3197,  
0.3266

■ 74.6494, 0.2614,  
0.3453

■ 91.5286, 0.3177,  
0.3235

■ 72.6061, 0.2527,  
0.3498


■ 91.7309, 0.3158,  
0.3204


 70.9970, 0.2458,  
0.3544


 91.9367, 0.3138,  
0.3173

 69.7876, 0.2408,  
0.3592

 91.9897, 0.3133,  
0.3166

 68.9382, 0.2378,  
0.3639

 68.4008, 0.2366,  
0.3686

 68.1453, 0.2367,  
0.3722

# Harmonies

## Analogous

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



83.6744, 0.3064, 0.3433



83.6744, 0.2960, 0.3332



83.6744, 0.2900, 0.3221

# Triad

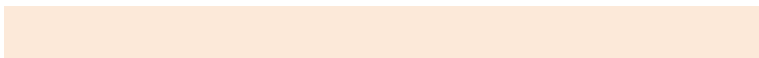
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6744, 0.2960, 0.3332



83.6744, 0.3064, 0.3095



83.6744, 0.3359, 0.3444

# Complementary

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



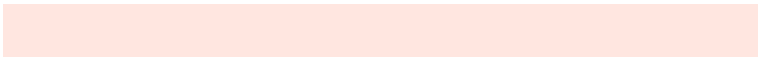
83.6744, 0.2960, 0.3332



70.9185, 0.3324, 0.3249

# 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.



83.6744, 0.3360, 0.3352



83.6744, 0.2960, 0.3332



83.6744, 0.3187, 0.3153

# Square

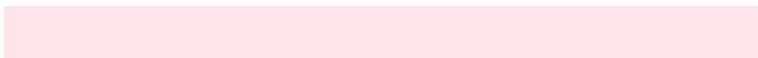
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



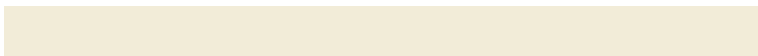
83.6744, 0.2960, 0.3332



83.6744, 0.2959, 0.3087



83.6744, 0.3296, 0.3246



83.6744, 0.3295, 0.3498

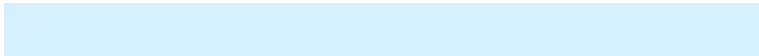


# Rectangle

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



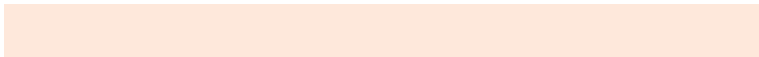
83.6744, 0.2960, 0.3332



83.6744, 0.2893, 0.3157



83.6744, 0.3296, 0.3246



83.6744, 0.3367, 0.3417

# Sweetspot

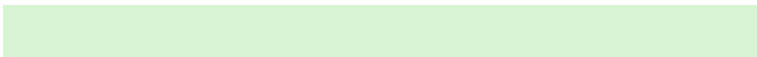
The Sweet Spot groups the original color and five complimentary colors.



83.6779, 0.2960, 0.3332



98.0290, 0.3072, 0.3303



82.9367, 0.3141, 0.3613



20.9053, 0.3062, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

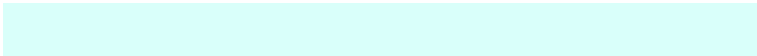


# Same Dimension

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



83.6779, 0.2960, 0.3332



93.1284, 0.2926, 0.3342



77.8402, 0.2935, 0.3177



17.8905, 0.2999, 0.3322



36.6199, 0.2365, 0.3714



3.0564, 0.2348, 0.3652



# Inverse Universe

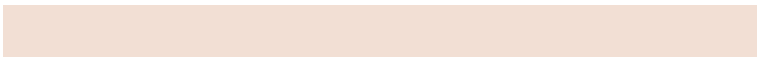
The Inverse Universe completely reimagines the original color for something new.



70.9185, 0.3324, 0.3249



76.0236, 0.3373, 0.3239



76.1383, 0.3338, 0.3400



15.7932, 0.3272, 0.3259



10.2093, 0.6226, 0.3203

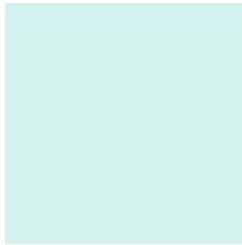


0.8601, 0.5926, 0.3038



# Previews

## White Background



This preview shows how the Yxy color 83.6744, 0.2960, 0.3332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

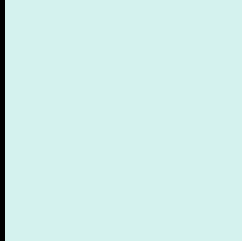
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.6744, 0.2960, 0.3332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

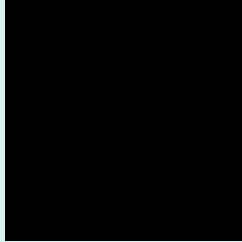
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

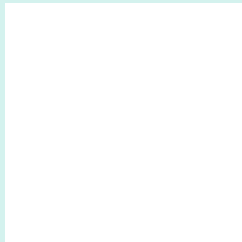
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.6744, 0.2960, 0.3332**

## Background



This preview shows how black text looks on a background with the Yxy color 83.6744, 0.2960, 0.3332.

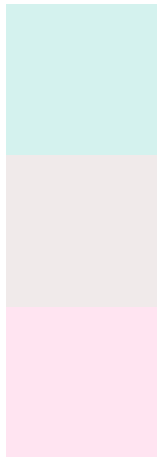


This preview shows how white text looks on a background with the Yxy color 83.6744, 0.2960, 0.3332.

# 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

83.6744, 0.2960, 0.3332

### Protanopia

83.3114, 0.3168, 0.3290

### Deuteranopia

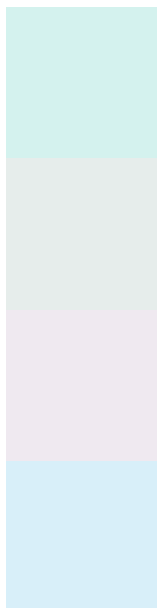
83.0977, 0.3230, 0.3163



## Tritanopia

83.2745, 0.2900, 0.3114

# Trichromacy



## Original Color

83.6744, 0.2960, 0.3332

## Protanomaly

83.3895, 0.3093, 0.3311

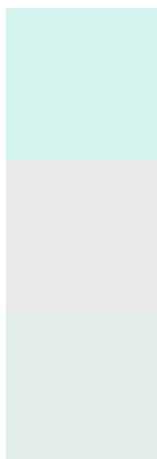
## Deuteranomaly

82.9198, 0.3124, 0.3219

## Tritanomaly

83.1715, 0.2922, 0.3185

# Monochromacy



## Original Color

83.6744, 0.2960, 0.3332

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.9966, 0.3061, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.6744, 0.2960, 0.3332 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(212, 242, 238)` looks like.

```
.text, #text, p{  
    color:rgb(212, 242, 238)  
}
```

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(212, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 242, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 83.6744, 0.2960, 0.3332 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(212, 242, 238) }
```

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

```
.border{ border-color:rgb(212, 242, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(212, 242,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.6744, 0.2960, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 242, 238) }
```

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

```
.background{ background-color: rgb(212,  
242, 238) }
```

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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