

# Converting Colors

$Y_{xy}(83.0322, 0.2942, 0.3303)$

Have a look what the booklet for  
Yxy(83.0322, 0.2942, 0.3303)  
contains.

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# Color

**Yxy(83.0507, 0.2942, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F1F0
RGB	211, 241, 240
RGB Percent	83%, 95%, 94%
CMY	0.1727, 0.0549, 0.0588
CMYK	0.12, 0.00, 0.00, 0.05
HSL	178°, 52%, 89%
HSV	178°, 12%, 95%
XYZ	74.0410, 83.0507, 94.5771
YIQ	231.9160, -17.5590, -6.6710

# Conversions

## Conversions Part 2

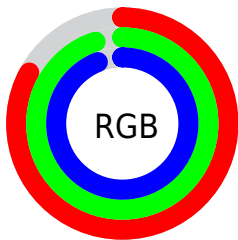
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 226, 241
Decimal	13890032
CIE Lab	93.04, -9.93, -2.83
CIE LCh	93, 10.322, 195.927
Yxy	83.0507, 0.2942, 0.3300
Android (android.graphics.Color)	4292080112 (0xFFD3F1F0)
YUV	231.9160, 3.9854, -18.3433
Hunter-Lab	91.1322, -14.4577, 2.2612

# Details

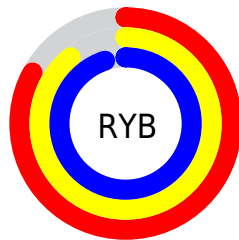
The Yxy color **83.0507, 0.2942, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0252, 0.3347, 0.3280**, and the grayscale version is **80.6076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2265, 0.2900, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **79.7106, 0.2803, 0.3309**, and if you desaturate by 10%, it is **86.9315, 0.3090, 0.3292**.

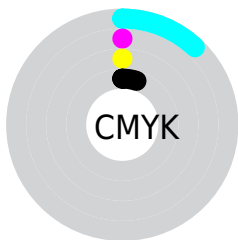
# Distribution



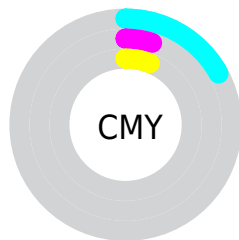
- Red (83%)
- Green (95%)
- Blue (94%)



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



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



- Cyan (17%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0507, 0.2942, 0.3300 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 83.0507, 0.2942, 0.3300 by changing the saturation by 10% instead.



83.0507, 0.2942,  
0.3300

83.0507, 0.2942,  
0.3300

505.1555, 0.3025,  
0.3296

62.2320, 0.2923,  
0.3301

137.6465, 0.2971,  
0.3299

45.2202, 0.2901,  
0.3302

172.1923, 0.2982,  
0.3298

31.6309, 0.2873,  
0.3303

212.0826, 0.2991,  
0.3298

21.0797, 0.2836,  
0.3304

257.7018, 0.3000,  
0.3297

13.1823, 0.2788,  
0.3305

309.4343, 0.3007,  
0.3297

7.5542, 0.2720,  
0.3306

367.6645, 0.3014,

3.8110, 0.2619,

0.3297

0.3307

432.7768, 0.3020,  
0.3296

■ 1.5684, 0.2451,  
0.3305

■ 0.3362, 0.0790,  
0.3439

■ 83.0507, 0.2942,  
0.3300

■ 83.0507, 0.2942,  
0.3300

■ 79.7106, 0.2803,  
0.3309

■ 86.9315, 0.3090,  
0.3292

■ 76.8773, 0.2677,  
0.3318


■ 90.5661, 0.3216,  
0.3284


■ 74.5286, 0.2565,  
0.3329

■ 90.6142, 0.3211,  
0.3277

■ 72.6371, 0.2470,  
0.3339


■ 90.6625, 0.3206,  
0.3269

 71.1721, 0.2394,  
0.3350


 90.7110, 0.3201,  
0.3261

 70.0997, 0.2338,  
0.3361


 90.7597, 0.3196,  
0.3253

 69.3805, 0.2300,  
0.3372

 90.8086, 0.3191,  
0.3246

 68.9670, 0.2281,  
0.3383

 90.8578, 0.3186,  
0.3238

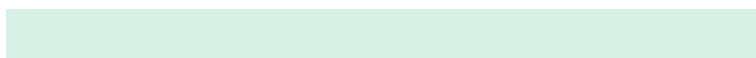
 68.8024, 0.2275,  
0.3391

 90.9071, 0.3181,  
0.3230

# Harmonies

## Analogous

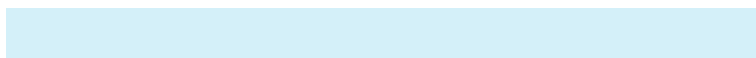
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0507, 0.3034, 0.3405



83.0507, 0.2942, 0.3300



83.0507, 0.2899, 0.3194

# Triad

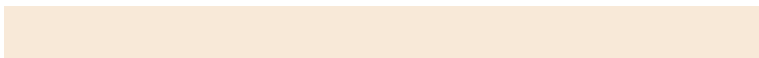
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0507, 0.2942, 0.3300



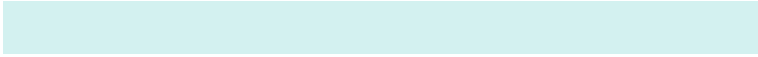
83.0507, 0.3099, 0.3111



83.0507, 0.3342, 0.3461

# Complementary

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



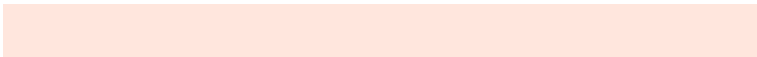
83.0507, 0.2942, 0.3300



70.0252, 0.3347, 0.3280

# 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.



83.0507, 0.3361, 0.3379



83.0507, 0.2942, 0.3300



83.0507, 0.3219, 0.3179

# Square

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



83.0507, 0.2942, 0.3300



83.0507, 0.2988, 0.3088



83.0507, 0.3315, 0.3276



83.0507, 0.3265, 0.3498

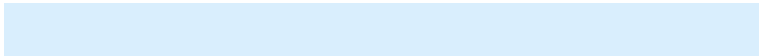


# Rectangle

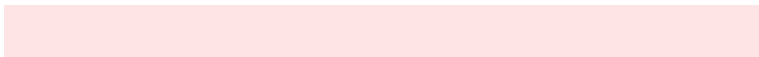
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



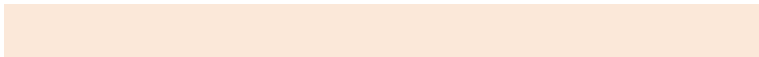
83.0507, 0.2942, 0.3300



83.0507, 0.2904, 0.3139



83.0507, 0.3315, 0.3276



83.0507, 0.3355, 0.3437

# Sweetspot

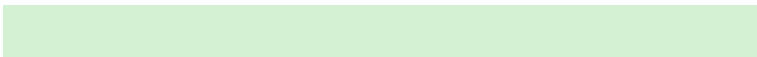
The Sweet Spot groups the original color and five complimentary colors.



83.0542, 0.2942, 0.3300



98.0947, 0.3066, 0.3293



81.6117, 0.3118, 0.3617



20.9220, 0.3055, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

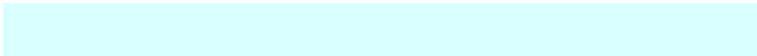


# Same Dimension

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



83.0542, 0.2942, 0.3300



93.3719, 0.2905, 0.3302



75.1280, 0.2933, 0.3139



17.9194, 0.2985, 0.3298



37.3096, 0.2275, 0.3389



3.1066, 0.2271, 0.3375



# Inverse Universe

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



70.0252, 0.3347, 0.3280



75.8199, 0.3400, 0.3278



77.2478, 0.3335, 0.3437



15.7673, 0.3288, 0.3283



10.1544, 0.6366, 0.3280

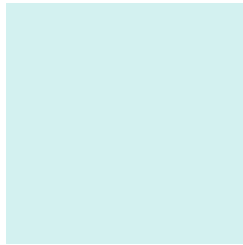


0.8477, 0.6274, 0.3230



# Previews

## White Background



This preview shows how the Yxy color 83.0507, 0.2942, 0.3300 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 83.0507, 0.2942, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

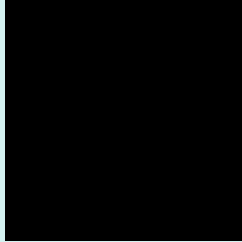
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

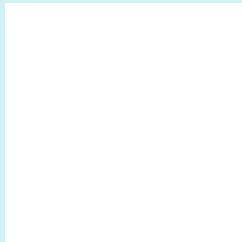
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.0507, 0.2942, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.0507, 0.2942, 0.3300.

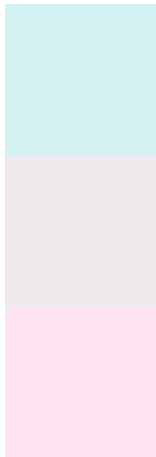


This preview shows how white text looks on a background with the Yxy color 83.0507, 0.2942, 0.3300.

# 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**

83.0507, 0.2942, 0.3300

**Protanopia**

82.5111, 0.3142, 0.3259

**Deuteranopia**

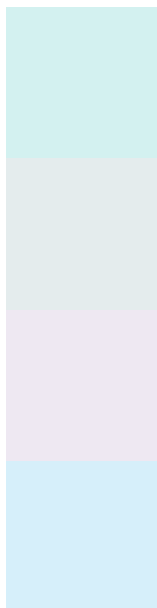
82.4801, 0.3211, 0.3133



## Tritanopia

82.9680, 0.2887, 0.3113

# Trichromacy



## Original Color

83.0507, 0.2942, 0.3300

## Protanomaly

82.5993, 0.3068, 0.3279

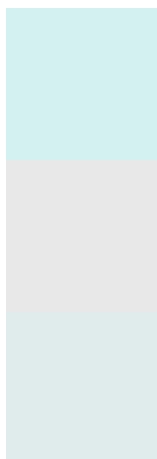
## Deuteranomaly

82.3012, 0.3105, 0.3189

## Tritanomaly

82.9313, 0.2904, 0.3175

# Monochromacy



## Original Color

83.0507, 0.2942, 0.3300

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.2621, 0.3054, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.0507, 0.2942, 0.3300 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(211, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(211, 241, 240)  
}
```

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(211, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 241, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 83.0507, 0.2942, 0.3300 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(211, 241, 240) }
```

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

```
.border{ border-color:rgb(211, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(211, 241,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.0507, 0.2942, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 241, 240) }
```

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

```
.background{ background-color: rgb(211,  
241, 240) }
```

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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