

# Converting Colors

$Yxy(82.5732, 0.2896, 0.3318)$

Have a look what the booklet for  
Yxy(82.5732, 0.2896, 0.3318)  
contains.

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# Color

**Yxy(82.4920, 0.2894, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF2F0
RGB	203, 242, 240
RGB Percent	80%, 95%, 94%
CMY	0.2040, 0.0509, 0.0589
CMYK	0.16, 0.00, 0.01, 0.05
HSL	177°, 60%, 87%
HSV	177°, 16%, 95%
XYZ	72.1026, 82.4920, 94.5506
YIQ	230.1110, -22.6020, -8.8900

# Conversions

## Conversions Part 2

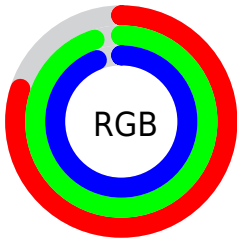
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 223, 242
Decimal	13366000
CIE Lab	92.79, -12.92, -3.24
CIE LCh	93, 13.319, 194.066
Yxy	82.4920, 0.2894, 0.3311
Android (android.graphics.Color)	4291556080 (0xFFC <sub>B</sub> F2F0)
YUV	230.1110, 4.8753, -23.7763
Hunter-Lab	90.8251, -17.2395, 1.8556

# Details

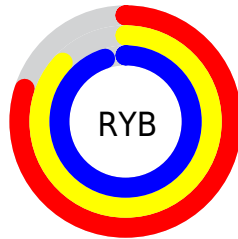
The Yxy color **82.4920, 0.2894, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9890, 0.3418, 0.3269**, and the grayscale version is **79.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8744, 0.2840, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **79.2848, 0.2761, 0.3326**, and if you desaturate by 10%, it is **86.2369, 0.3036, 0.3298**.

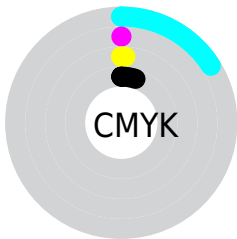
# Distribution



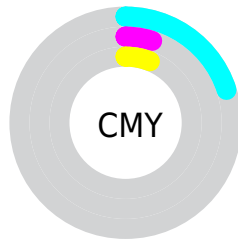
- Red (80%)
- Green (95%)
- Blue (94%)



- Red (80%)
- Yellow (87%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4920, 0.2894, 0.3311 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 82.4920, 0.2894, 0.3311 by changing the saturation by 10% instead.



82.4920, 0.2894,  
0.3311

82.4920, 0.2894,  
0.3311

503.2919, 0.2999,  
0.3302

61.7712, 0.2871,  
0.3313

136.8637, 0.2930,  
0.3308

44.8478, 0.2842,  
0.3315

171.2834, 0.2944,  
0.3307

31.3376, 0.2807,  
0.3317

211.0382, 0.2956,  
0.3306

20.8560, 0.2761,  
0.3320

256.5124, 0.2967,  
0.3305

13.0188, 0.2700,  
0.3323

308.0905, 0.2976,  
0.3304

7.4415, 0.2615,  
0.3327


366.1569, 0.2985,


3.7397, 0.2488,


0.3304


431.0959, 0.2992,  
0.3303


0.3332


 1.5291, 0.2279,  
0.3334


 0.3090, 0.0000,  
0.3545


 82.4920, 0.2894,  
0.3311


 82.4920, 0.2894,  
0.3311


 79.2848, 0.2761,  
0.3326


 86.2369, 0.3036,  
0.3298


 76.5806, 0.2642,  
0.3341

 90.5321, 0.3186,  
0.3285

 74.3561, 0.2537,  
0.3357

 91.2878, 0.3202,  
0.3273

 72.5827, 0.2451,  
0.3374


 91.3642, 0.3194,  
0.3261

 71.2282, 0.2383,  
0.3392

 91.4410, 0.3186,  
0.3249

 70.2566, 0.2335,  
0.3409


 91.5184, 0.3179,  
0.3237

 69.6255, 0.2306,  
0.3426

 91.5963, 0.3171,  
0.3225

 69.2825, 0.2294,  
0.3443

 91.6747, 0.3163,  
0.3213

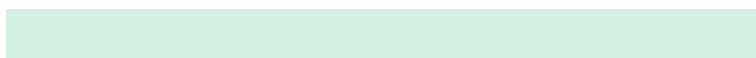
 69.1948, 0.2292,  
0.3450

 91.7537, 0.3156,  
0.3201

# Harmonies

## Analogous

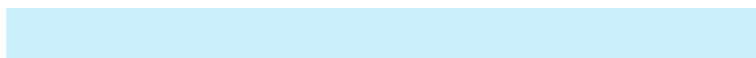
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4920, 0.3015, 0.3447



82.4920, 0.2894, 0.3311



82.4920, 0.2835, 0.3173

# Triad

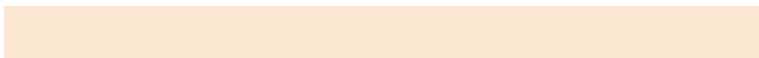
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4920, 0.2894, 0.3311



82.4920, 0.3080, 0.3056



82.4920, 0.3409, 0.3504

# Complementary

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



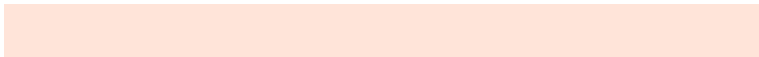
82.4920, 0.2894, 0.3311



65.9890, 0.3418, 0.3269

# 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.



82.4920, 0.3429, 0.3395



82.4920, 0.2894, 0.3311



82.4920, 0.3236, 0.3140

# Square

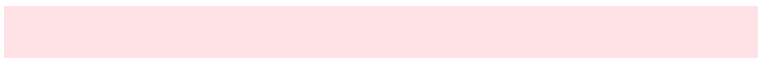
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4920, 0.2894, 0.3311



82.4920, 0.2940, 0.3030



82.4920, 0.3365, 0.3263



82.4920, 0.3313, 0.3559

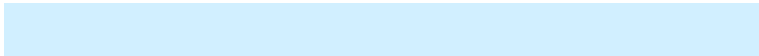


# Rectangle

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



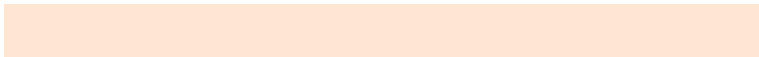
82.4920, 0.2894, 0.3311



82.4920, 0.2837, 0.3099



82.4920, 0.3365, 0.3263



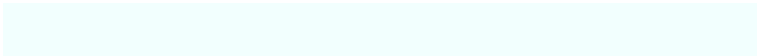
82.4920, 0.3425, 0.3473

# Sweetspot

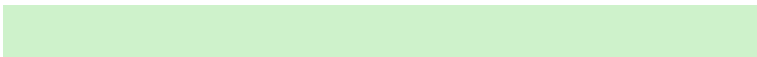
The Sweet Spot groups the original color and five complimentary colors.



82.4954, 0.2894, 0.3311



97.6190, 0.3053, 0.3296



80.8840, 0.3124, 0.3723



20.8256, 0.3042, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

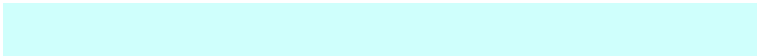


# Same Dimension

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



82.4954, 0.2894, 0.3311



91.7800, 0.2854, 0.3315



73.0082, 0.2875, 0.3105



17.9140, 0.2988, 0.3302



37.1744, 0.2291, 0.3447



3.0969, 0.2285, 0.3424



# Inverse Universe

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



65.9890, 0.3418, 0.3269



70.2744, 0.3483, 0.3265



74.3204, 0.3405, 0.3469



15.7721, 0.3285, 0.3278



10.1619, 0.6346, 0.3270

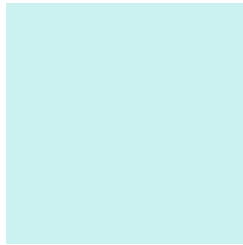


0.8500, 0.6205, 0.3192



# Previews

## White Background



This preview shows how the Yxy color 82.4920, 0.2894, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

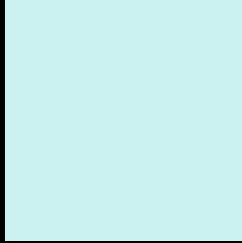
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4920, 0.2894, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

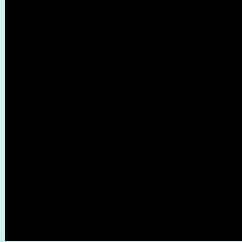
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

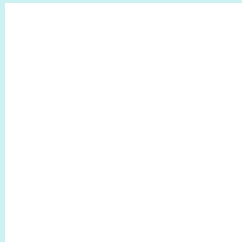
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4920, 0.2894, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4920, 0.2894, 0.3311.

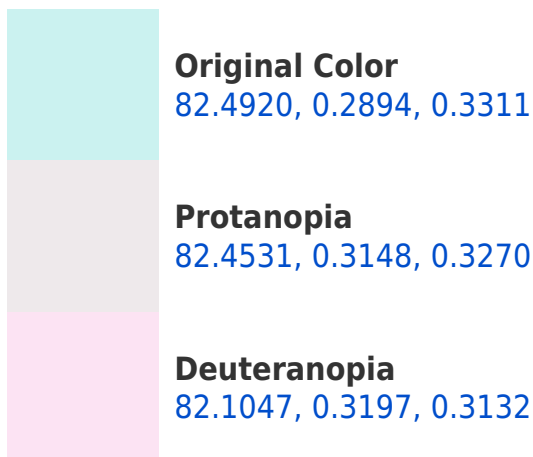


This preview shows how white text looks on a background with the Yxy color 82.4920, 0.2894, 0.3311.

# 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

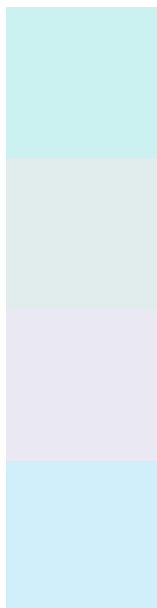




## Tritanopia

82.2180, 0.2857, 0.3112

# Trichromacy



## Original Color

82.4920, 0.2894, 0.3311

## Protanomaly

82.1129, 0.3049, 0.3279

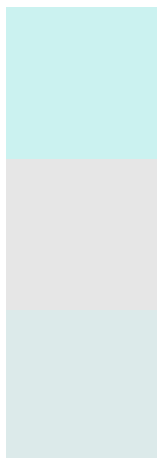
## Deuteranomaly

81.6165, 0.3078, 0.3188

## Tritanomaly

82.0450, 0.2867, 0.3173

# Monochromacy



## Original Color

82.4920, 0.2894, 0.3311

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

80.0018, 0.3034, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4920, 0.2894, 0.3311 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(203, 242, 240)` looks like.

```
.text, #text, p{  
    color:rgb(203, 242, 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(203, 242, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 242, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4920, 0.2894, 0.3311 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(203, 242, 240) }
```

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

```
.border{ border-color:rgb(203, 242, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 242, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 242, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 242, 240);  
box-shadow:4px 4px 4px 4px rgb(203, 242,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4920, 0.2894, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 242, 240) }
```

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

```
.background{ background-color: rgb(203,  
242, 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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