

# Converting Colors

Yxy(82.4903, 0.2960, 0.3311)

Have a look what the booklet for  
Yxy(82.4903, 0.2960, 0.3311)  
contains.

<b>Yxy(82.4903, 0.2960, 0.3311)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.4903, 0.2960, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F0EE
RGB	212, 240, 238
RGB Percent	83%, 94%, 93%
CMY	0.1685, 0.0588, 0.0668
CMYK	0.12, 0.00, 0.01, 0.06
HSL	176°, 48%, 89%
HSV	176°, 12%, 94%
XYZ	73.7455, 82.4903, 92.9044
YIQ	231.4000, -16.0460, -6.5580

# Conversions

## Conversions Part 2

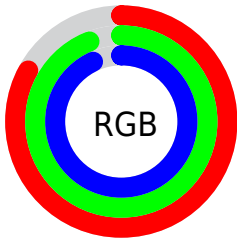
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 227, 240
Decimal	13955310
CIE Lab	92.79, -9.48, -2.12
CIE LCh	93, 9.714, 192.632
Yxy	82.4903, 0.2960, 0.3311
Android (android.graphics.Color)	4292145390 (0xFFD4F0EE)
YUV	231.4000, 3.2538, -17.0138
Hunter-Lab	90.8242, -14.0077, 2.9290

# Details

The Yxy color **82.4903, 0.2960, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4816, 0.3322, 0.3269**, and the grayscale version is **80.2125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8265, 0.2922, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **79.0858, 0.2825, 0.3331**, and if you desaturate by 10%, it is **86.4328, 0.3103, 0.3293**.

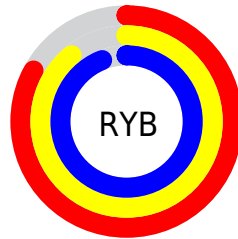
# Distribution



Red (83%)

Green (94%)

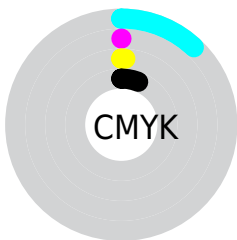
Blue (93%)



Red (83%)

Yellow (89%)

Blue (94%)

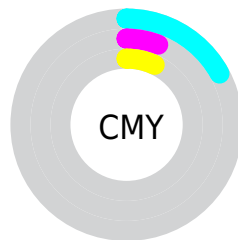


Cyan (12%)

Magenta (0%)

Yellow (1%)

Black (6%)



Cyan (17%)

Magenta (6%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4903, 0.2960, 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 82.4903, 0.2960, 0.3311 by changing the saturation by 10% instead.



82.4903, 0.2960,  
0.3311

82.4903, 0.2960,  
0.3311

503.2862, 0.3035,  
0.3302

61.7698, 0.2943,  
0.3313

136.8614, 0.2986,  
0.3308

44.8467, 0.2923,  
0.3315

171.2807, 0.2996,  
0.3307

31.3367, 0.2897,  
0.3318

211.0350, 0.3005,  
0.3306

20.8554, 0.2864,  
0.3322

256.5088, 0.3012,  
0.3305

13.0183, 0.2820,  
0.3326

308.0864, 0.3019,  
0.3304

7.4412, 0.2758,  
0.3332

366.1523, 0.3025,

3.7395, 0.2665,

0.3303

431.0908, 0.3031,  
0.3303

0.3340

1.5289, 0.2510,  
0.3352

0.3090, 0.0727,  
0.3609

82.4903, 0.2960,  
0.3311

82.4903, 0.2960,  
0.3311

79.0858, 0.2825,  
0.3331

86.4328, 0.3103,  
0.3293

76.1858, 0.2702,  
0.3352


89.9597, 0.3217,  
0.3276

73.7685, 0.2592,  
0.3375

90.0643, 0.3207,  
0.3259

71.8069, 0.2499,  
0.3398


90.1700, 0.3196,  
0.3242


 70.2711, 0.2424,  
0.3423


 90.2767, 0.3185,  
0.3226

 69.1276, 0.2368,  
0.3447


 90.3843, 0.3174,  
0.3209


 68.3380, 0.2332,  
0.3472

 90.4930, 0.3164,  
0.3192

 67.8561, 0.2314,  
0.3496

 90.6026, 0.3153,  
0.3176

 67.6288, 0.2310,  
0.3517

 90.7133, 0.3142,  
0.3159

# Harmonies

## Analogous

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



82.4903, 0.3051, 0.3408



82.4903, 0.2960, 0.3311



82.4903, 0.2914, 0.3210

# Triad

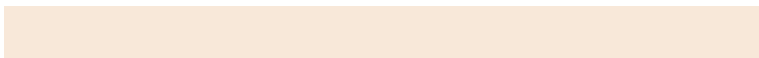
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4903, 0.2960, 0.3311



82.4903, 0.3088, 0.3116



82.4903, 0.3335, 0.3444

# Complementary

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



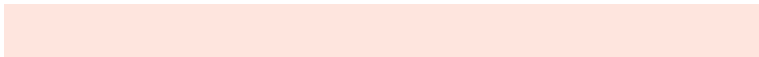
82.4903, 0.2960, 0.3311



70.4816, 0.3322, 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.



82.4903, 0.3346, 0.3364



82.4903, 0.2960, 0.3311



82.4903, 0.3202, 0.3177

# Square

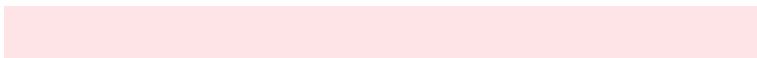
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4903, 0.2960, 0.3311



82.4903, 0.2987, 0.3100



82.4903, 0.3297, 0.3266



82.4903, 0.3267, 0.3485

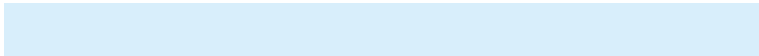


# Rectangle

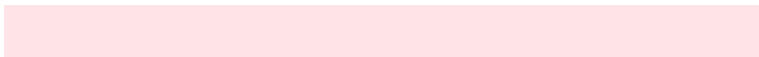
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



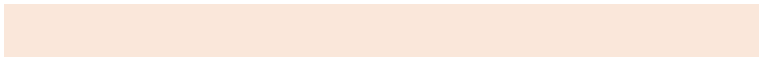
82.4903, 0.2960, 0.3311



82.4903, 0.2914, 0.3155



82.4903, 0.3297, 0.3266



82.4903, 0.3345, 0.3421

# Sweetspot

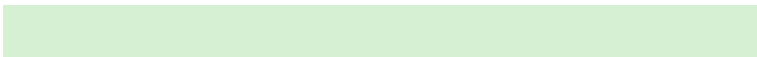
The Sweet Spot groups the original color and five complimentary colors.



82.4938, 0.2960, 0.3311



98.5422, 0.3083, 0.3295



81.4258, 0.3128, 0.3594



21.0108, 0.3072, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

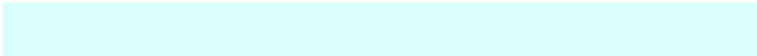


# Same Dimension

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



82.4938, 0.2960, 0.3311



93.6812, 0.2927, 0.3316



75.9683, 0.2946, 0.3164



17.9080, 0.2991, 0.3307



37.0287, 0.2309, 0.3513



3.0863, 0.2300, 0.3481



# Inverse Universe

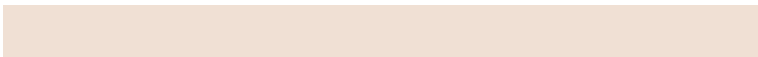
The Inverse Universe completely reimagines the original color for something new.



70.4816, 0.3322, 0.3269



77.3475, 0.3369, 0.3265



76.4203, 0.3322, 0.3412



15.7774, 0.3282, 0.3273



10.1709, 0.6323, 0.3257

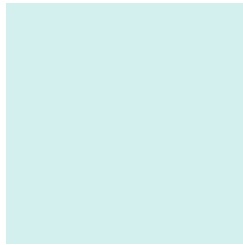


0.8525, 0.6132, 0.3152



# Previews

## White Background



This preview shows how the Yxy color 82.4903, 0.2960, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

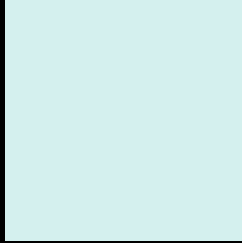
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4903, 0.2960, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

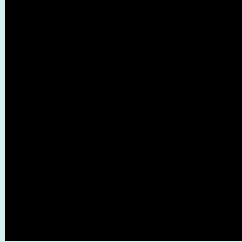
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

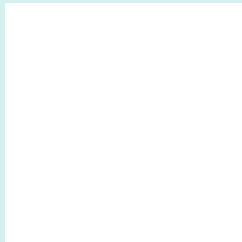
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4903, 0.2960, 0.3311**

## Background



This preview shows how black text looks on a background with the Yxy color 82.4903, 0.2960, 0.3311.

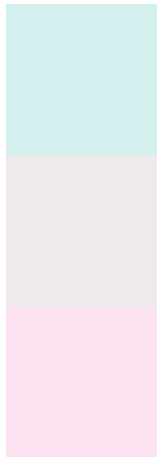


This preview shows how white text looks on a background with the Yxy color 82.4903, 0.2960, 0.3311.

# 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



### Original Color

82.4903, 0.2960, 0.3311

### Protanopia

82.3955, 0.3155, 0.3280

### Deuteranopia

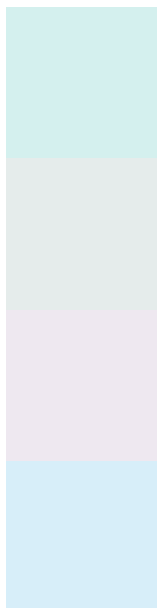
82.1717, 0.3217, 0.3152



## Tritanopia

82.3873, 0.2887, 0.3103

# Trichromacy



## Original Color

82.4903, 0.2960, 0.3311

## Protanomaly

82.6471, 0.3087, 0.3300

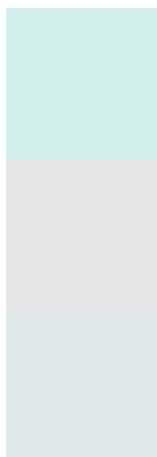
## Deuteranomaly

82.1816, 0.3117, 0.3209

## Tritanomaly

82.4357, 0.2915, 0.3175

# Monochromacy



## Original Color

82.4903, 0.2960, 0.3311

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.6334, 0.3061, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4903, 0.2960, 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(212, 240, 238)` looks like.

```
.text, #text, p{  
    color:rgb(212, 240, 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, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4903, 0.2960, 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(212, 240, 238) }
```

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

```
.border{ border-color:rgb(212, 240, 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, 240, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 238);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4903, 0.2960, 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(212, 240, 238) }
```

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

```
.background{ background-color: rgb(212,  
240, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor