

# Converting Colors

$Yxy(81.5281, 0.2961, 0.3320)$

Have a look what the booklet for  
Yxy(81.5281, 0.2961, 0.3320)  
contains.

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# Color

**Yxy(81.4908, 0.2959, 0.3322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2EFEC
RGB	210, 239, 236
RGB Percent	82%, 94%, 93%
CMY	0.1764, 0.0627, 0.0747
CMYK	0.12, 0.00, 0.01, 0.06
HSL	174°, 48%, 88%
HSV	174°, 12%, 94%
XYZ	72.5862, 81.4908, 91.2295
YIQ	229.9870, -16.3210, -7.0810

# Conversions

## Conversions Part 2

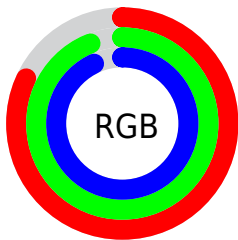
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 225, 239
Decimal	13823980
CIE Lab	92.35, -10.00, -1.74
CIE LCh	92, 10.147, 189.863
Yxy	81.4908, 0.2959, 0.3322
Android (android.graphics.Color)	4292014060 (0xFFD2EFEC)
YUV	229.9870, 2.9644, -17.5286
Hunter-Lab	90.2723, -14.4480, 3.2719

# Details

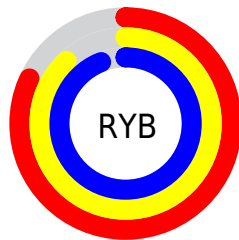
The Yxy color **81.4908, 0.2959, 0.3322** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2664, 0.3324, 0.3258**, and the grayscale version is **79.1110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1308, 0.2920, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **78.0988, 0.2829, 0.3351**, and if you desaturate by 10%, it is **85.4156, 0.3097, 0.3295**.

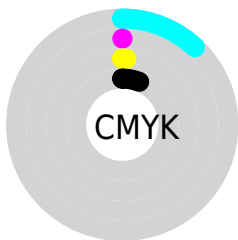
# Distribution



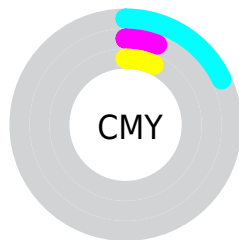
- Red (82%)
- Green (94%)
- Blue (93%)



- Red (82%)
- Yellow (88%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (6%)



- Cyan (18%)
- Magenta (6%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4908, 0.2959, 0.3322 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 81.4908, 0.2959, 0.3322 by changing the saturation by 10% instead.



81.4908, 0.2959,  
0.3322

81.4908, 0.2959,  
0.3322

499.9428, 0.3035,  
0.3308

60.9459, 0.2942,  
0.3325

135.4597, 0.2985,  
0.3317

44.1815, 0.2921,  
0.3329

169.6525, 0.2995,  
0.3315

30.8132, 0.2895,  
0.3333

209.1634, 0.3004,  
0.3314

20.4567, 0.2862,  
0.3339

254.3767, 0.3012,  
0.3312

12.7274, 0.2817,  
0.3347

305.6770, 0.3019,  
0.3311

7.2411, 0.2754,  
0.3357

363.4485, 0.3025,

3.6134, 0.2658,

0.3310

428.0756, 0.3030,  
0.3309

0.3372

1.4597, 0.2498,  
0.3396

0.2601, 0.0048,  
0.3894

81.4908, 0.2959,  
0.3322

81.4908, 0.2959,  
0.3322

78.0988, 0.2829,  
0.3351

85.4156, 0.3097,  
0.3295

75.2061, 0.2709,  
0.3383


89.3440, 0.3221,  
0.3271

72.7913, 0.2603,  
0.3416


89.4950, 0.3205,  
0.3247

70.8275, 0.2513,  
0.3451


89.6481, 0.3190,  
0.3222


 69.2849, 0.2441,  
0.3487


 89.8032, 0.3174,  
0.3198


 68.1301, 0.2389,  
0.3523


 89.9604, 0.3159,  
0.3174

 67.3250, 0.2356,  
0.3560

 90.1197, 0.3143,  
0.3150

 66.8233, 0.2342,  
0.3596

 90.2144, 0.3134,  
0.3136

 66.5850, 0.2340,  
0.3624

# Harmonies

## Analogous

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



81.4908, 0.3057, 0.3422



81.4908, 0.2959, 0.3322



81.4908, 0.2906, 0.3215

# Triad

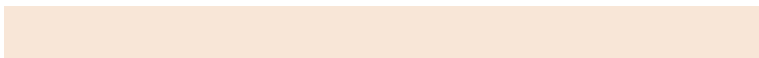
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4908, 0.2959, 0.3322



81.4908, 0.3075, 0.3104



81.4908, 0.3349, 0.3445

# Complementary

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



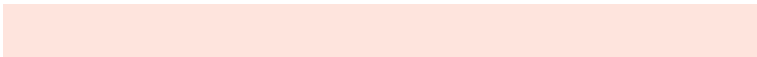
81.4908, 0.2959, 0.3322



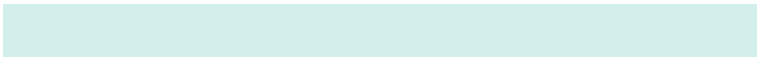
69.2664, 0.3324, 0.3258

# 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.



81.4908, 0.3354, 0.3358



81.4908, 0.2959, 0.3322



81.4908, 0.3195, 0.3164

# Square

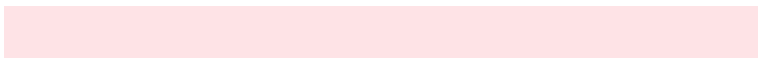
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



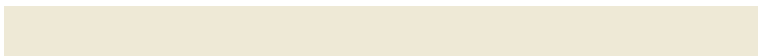
81.4908, 0.2959, 0.3322



81.4908, 0.2972, 0.3092



81.4908, 0.3297, 0.3256



81.4908, 0.3283, 0.3493



# Rectangle

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



81.4908, 0.2959, 0.3322



81.4908, 0.2902, 0.3155



81.4908, 0.3297, 0.3256



81.4908, 0.3358, 0.3420

# Sweetspot

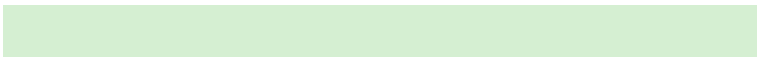
The Sweet Spot groups the original color and five complimentary colors.



81.4942, 0.2959, 0.3322



98.0477, 0.3071, 0.3300



80.5965, 0.3135, 0.3606



20.9101, 0.3060, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

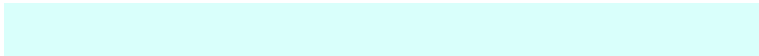


# Same Dimension

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



81.4942, 0.2959, 0.3322



93.1975, 0.2920, 0.3330



75.3677, 0.2939, 0.3170



17.8987, 0.2995, 0.3315



36.8072, 0.2339, 0.3618



3.0702, 0.2325, 0.3571



# Inverse Universe

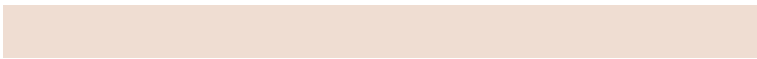
The Inverse Universe completely reimagines the original color for something new.



69.2664, 0.3324, 0.3258



75.9649, 0.3381, 0.3250



74.7903, 0.3332, 0.3407



15.7858, 0.3277, 0.3266



10.1890, 0.6277, 0.3231

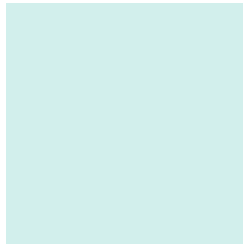


0.8565, 0.6020, 0.3090



# Previews

## White Background



This preview shows how the Yxy color 81.4908, 0.2959, 0.3322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

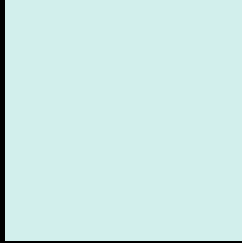
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4908, 0.2959, 0.3322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

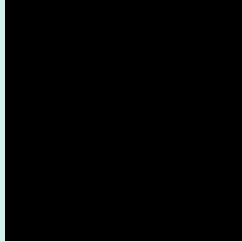
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

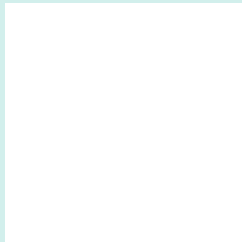
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.4908, 0.2959, 0.3322**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4908, 0.2959, 0.3322.

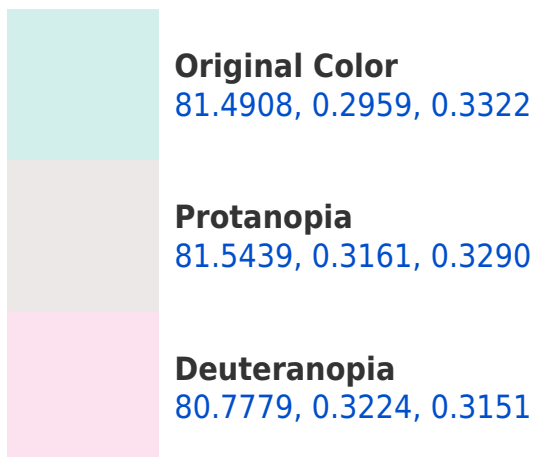


This preview shows how white text looks on a background with the Yxy color 81.4908, 0.2959, 0.3322.

# 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

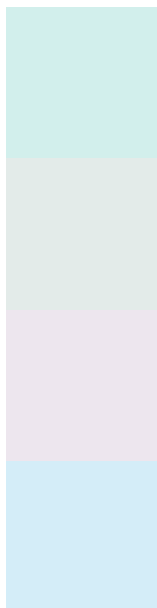




## Tritanopia

81.3570, 0.2868, 0.3091

# Trichromacy



## Original Color

81.4908, 0.2959, 0.3322

## Protanomaly

81.6307, 0.3086, 0.3311

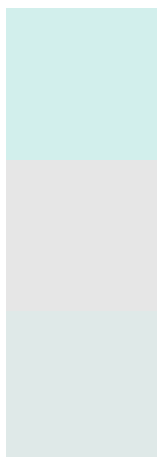
## Deuteranomaly

80.7712, 0.3124, 0.3208

## Tritanomaly

81.3427, 0.2902, 0.3174

# Monochromacy



## Original Color

81.4908, 0.2959, 0.3322

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.7920, 0.3066, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4908, 0.2959, 0.3322 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(210, 239, 236)` looks like.

```
.text, #text, p{  
    color:rgb(210, 239, 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(210, 239, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 239, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4908, 0.2959, 0.3322 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(210, 239, 236) }
```

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

```
.border{ border-color:rgb(210, 239, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 239, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 239, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 239, 236);  
box-shadow:4px 4px 4px 4px rgb(210, 239,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4908, 0.2959, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 239, 236) }
```

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

```
.background{ background-color: rgb(210,  
239, 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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