

# Converting Colors

Yxy(81.2739, 0.3066, 0.3500)

Have a look what the booklet for  
Yxy(81.2739, 0.3066, 0.3500)  
contains.

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# Color

**Yxy(81.4845, 0.3065, 0.3506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F0DC
RGB	212, 240, 220
RGB Percent	83%, 94%, 86%
CMY	0.1686, 0.0588, 0.1372
CMYK	0.12, 0.00, 0.08, 0.06
HSL	137°, 48%, 89%
HSV	137°, 12%, 94%
XYZ	71.2350, 81.4845, 79.6949
YIQ	229.3480, -10.2680, -12.1560

# Conversions

## Conversions Part 2

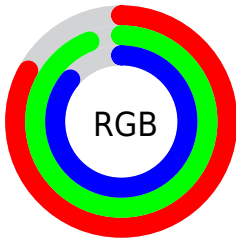
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 234, 240
Decimal	13955292
CIE Lab	92.35, -12.84, 6.56
CIE LCh	92, 14.420, 152.921
Yxy	81.4845, 0.3065, 0.3506
Android (android.graphics.Color)	4292145372 (0xFFD4F0DC)
YUV	229.3480, -4.6086, -15.2142
Hunter-Lab	90.2688, -17.1082, 10.8432

# Details

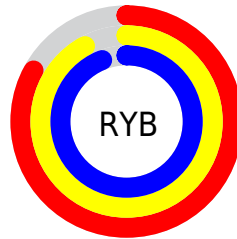
The Yxy color **81.4845, 0.3065, 0.3506** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4476, 0.3195, 0.3083**, and the grayscale version is **78.6693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1657, 0.3048, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **77.3197, 0.3012, 0.3717**, and if you desaturate by 10%, it is **86.2795, 0.3118, 0.3319**.

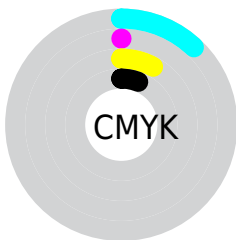
# Distribution



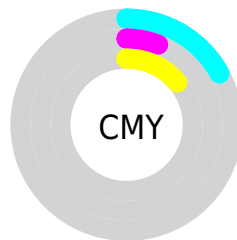
- Red (83%)
- Green (94%)
- Blue (86%)



- Red (83%)
- Yellow (92%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (17%)
- Magenta (6%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4845, 0.3065, 0.3506 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 81.4845, 0.3065, 0.3506 by changing the saturation by 10% instead.



81.4845, 0.3065,  
0.3506

81.4845, 0.3065,  
0.3506

499.9217, 0.3094,  
0.3406

60.9407, 0.3058,  
0.3529

135.4509, 0.3075,  
0.3471

44.1773, 0.3050,  
0.3557

169.6422, 0.3079,  
0.3458

30.8099, 0.3039,  
0.3592

209.1516, 0.3082,  
0.3447

20.4542, 0.3026,  
0.3639

254.3633, 0.3085,  
0.3436

12.7256, 0.3007,  
0.3702

305.6617, 0.3088,  
0.3428

7.2399, 0.2979,  
0.3793

363.4314, 0.3090,

3.6126, 0.2934,

0.3420

428.0566, 0.3092,  
0.3413

0.3935

1.4593, 0.2853,  
0.4188

0.2598, 0.0000,  
1.0000

81.4845, 0.3065,  
0.3506

81.4845, 0.3065,  
0.3506

77.3197, 0.3012,  
0.3717

86.2795, 0.3118,  
0.3319

73.7485, 0.2963,  
0.3950

90.7546, 0.3138,  
0.3153

70.7466, 0.2918,  
0.4205

90.7999, 0.3134,  
0.3146

68.2836, 0.2882,  
0.4474

■ 66.3265, 0.2858,  
0.4751

■ 64.8383, 0.2849,  
0.5024

■ 63.7768, 0.2855,  
0.5278

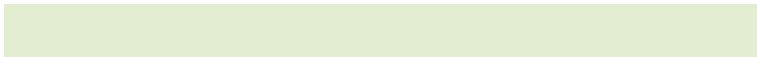
■ 63.0920, 0.2878,  
0.5501

■ 62.7448, 0.2904,  
0.5655

# Harmonies

## Analogous

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



81.4845, 0.3233, 0.3579



81.4845, 0.3065, 0.3506



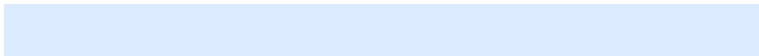
81.4845, 0.2916, 0.3370

# Triad

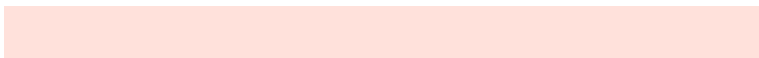
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4845, 0.3065, 0.3506



81.4845, 0.2880, 0.3016



81.4845, 0.3440, 0.3351

# Complementary

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



81.4845, 0.3065, 0.3506



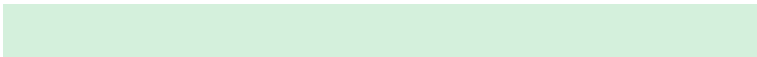
71.4476, 0.3195, 0.3083

# 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.



81.4845, 0.3340, 0.3208



81.4845, 0.3065, 0.3506



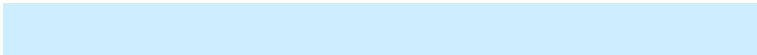
81.4845, 0.3015, 0.3018

# Square

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



81.4845, 0.3065, 0.3506



81.4845, 0.2812, 0.3086



81.4845, 0.3183, 0.3088



81.4845, 0.3453, 0.3484



# Rectangle

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



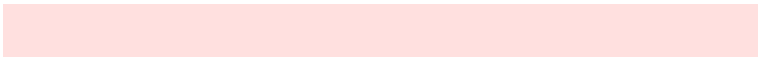
81.4845, 0.3065, 0.3506



81.4845, 0.2847, 0.3266



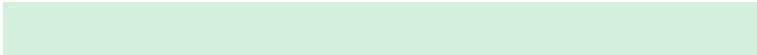
81.4845, 0.3183, 0.3088



81.4845, 0.3415, 0.3303

# Sweetspot

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



81.4880, 0.3065, 0.3506



98.2310, 0.3111, 0.3343



84.2421, 0.3247, 0.3583



20.9267, 0.3107, 0.3357



0.0000, 0.0000, 0.0000

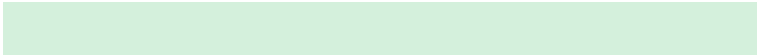


21.4041, 0.3127, 0.3290

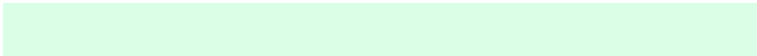


# Same Dimension

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



81.4880, 0.3065, 0.3506



92.3121, 0.3052, 0.3554



82.2566, 0.2983, 0.3354



17.7307, 0.3077, 0.3463



34.3674, 0.2897, 0.5628



2.8756, 0.2825, 0.5369



# Inverse Universe

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



71.4476, 0.3195, 0.3083



78.6597, 0.3211, 0.3040



70.6876, 0.3294, 0.3227



15.9499, 0.3182, 0.3123



11.7827, 0.4093, 0.2028

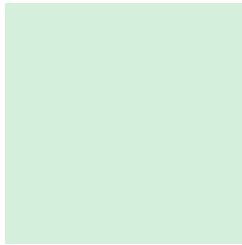


0.9973, 0.3949, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 81.4845, 0.3065, 0.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

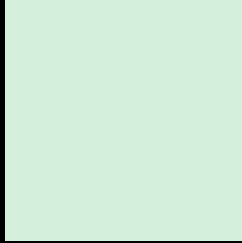
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.4845, 0.3065, 0.3506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

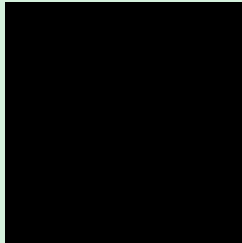
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

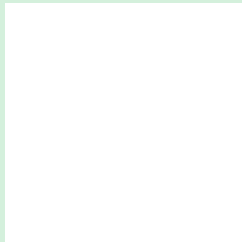
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.4845, 0.3065, 0.3506**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.4845, 0.3065, 0.3506.

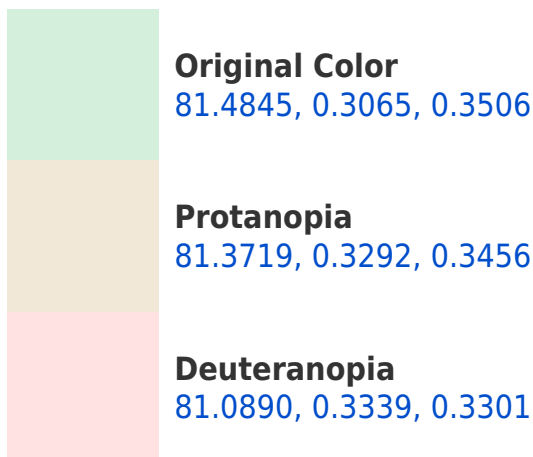


This preview shows how white text looks on a background with the Yxy color 81.4845, 0.3065, 0.3506.

# 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

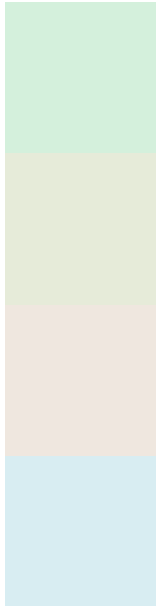




## Tritanopia

81.4778, 0.2904, 0.3093

# Trichromacy



**Original Color**

81.4845, 0.3065, 0.3506

**Protanomaly**

81.2494, 0.3206, 0.3480

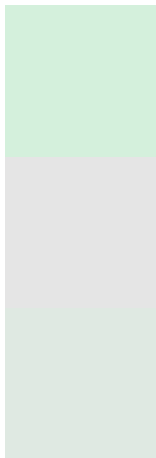
**Deuteranomaly**

80.8303, 0.3234, 0.3373

**Tritanomaly**

81.5781, 0.2961, 0.3237

# Monochromacy



**Original Color**

81.4845, 0.3065, 0.3506

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.4568, 0.3103, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.4845, 0.3065, 0.3506 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(212, 240, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 240, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 81.4845, 0.3065, 0.3506 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, 220) }
```

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

```
.border{ border-color:rgb(212, 240, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 240, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 240, 220);  
box-shadow:4px 4px 4px 4px rgb(212, 240,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.4845, 0.3065, 0.3506 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, 220) }
```

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

```
.background{ background-color: rgb(212,  
240, 220) }
```

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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