

# Converting Colors

Yxy(81.5465, 0.3160, 0.3581)

Have a look what the booklet for  
Yxy(81.5465, 0.3160, 0.3581)  
contains.

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# Color

**Yxy(81.5465, 0.3160, 0.3581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBEFD4
RGB	219, 239, 212
RGB Percent	86%, 94%, 83%
CMY	0.1412, 0.0627, 0.1687
CMYK	0.08, 0.00, 0.11, 0.06
HSL	104°, 46%, 88%
HSV	104°, 11%, 94%
XYZ	71.9595, 81.5465, 74.2139
YIQ	229.9420, -3.2530, -12.6370

# Conversions

## Conversions Part 2

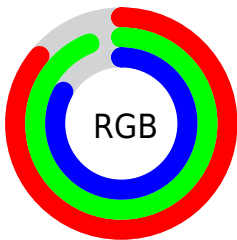
Format	Color
R <sub>Y</sub> B	212, 239, 232
Decimal	14413780
CIE Lab	92.37, -11.42, 10.84
CIE LCh	92, 15.749, 136.495
Yxy	81.5465, 0.3160, 0.3581
Android (android.graphics.Color)	4292603860 (0xFFDBEFD4)
YUV	229.9420, -8.8454, -9.5961
Hunter-Lab	90.3031, -15.7898, 14.4858

# Details

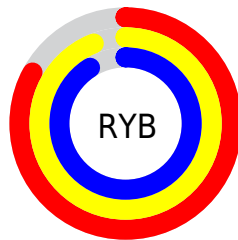
The Yxy color **81.5465, 0.3160, 0.3581** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.4575, 0.3090, 0.3007**, and the grayscale version is **79.1542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1938, 0.3169, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **77.8324, 0.3187, 0.3868**, and if you desaturate by 10%, it is **85.7377, 0.3131, 0.3322**.

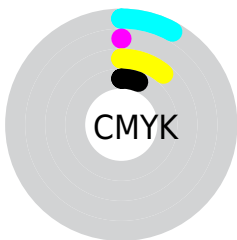
# Distribution



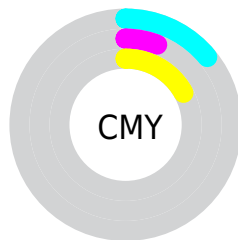
- Red (86%)
- Green (94%)
- Blue (83%)



- Red (83%)
- Yellow (94%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5465, 0.3160, 0.3581 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 81.5465, 0.3160, 0.3581 by changing the saturation by 10% instead.



81.5465, 0.3160,  
0.3581

81.5465, 0.3160,  
0.3581

500.1295, 0.3146,  
0.3447

60.9918, 0.3163,  
0.3612

135.5379, 0.3156,  
0.3534

44.2185, 0.3166,  
0.3650

169.7433, 0.3154,  
0.3516

30.8424, 0.3170,  
0.3698

209.2678, 0.3152,  
0.3501

20.4788, 0.3174,  
0.3760

254.4957, 0.3151,  
0.3487

12.7436, 0.3180,  
0.3846

305.8114, 0.3149,  
0.3475

7.2522, 0.3186,  
0.3969

363.5994, 0.3148,

3.6203, 0.3191,

0.3464

0.4161

428.2439, 0.3147,  
0.3455

■ 1.4635, 0.3205,  
0.4526

■ 0.2629, 0.0000,  
1.0000

■ 81.5465, 0.3160,  
0.3581

■ 81.5465, 0.3160,  
0.3581

■ 77.8324, 0.3187,  
0.3868

■ 85.7377, 0.3131,  
0.3322

■ 74.5681, 0.3210,  
0.4180

■ 90.1003, 0.3130,  
0.3136

■ 71.7390, 0.3226,  
0.4508

■ 90.2184, 0.3134,  
0.3136

■ 69.3261, 0.3233,  
0.4841

■ 67.3087, 0.3229,  
0.5161

■ 65.6641, 0.3211,  
0.5446

■ 64.3673, 0.3181,  
0.5676

■ 63.3895, 0.3139,  
0.5835

■ 62.7662, 0.3100,  
0.5921

# Harmonies

## Analogous

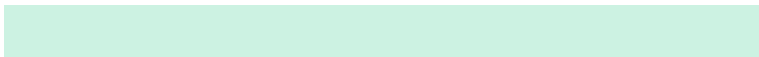
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5465, 0.3335, 0.3611



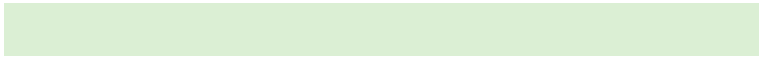
81.5465, 0.3160, 0.3581



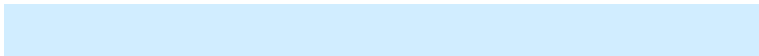
81.5465, 0.2980, 0.3465

# Triad

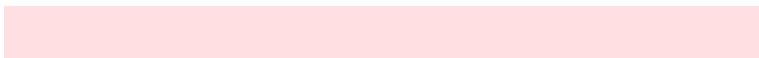
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5465, 0.3160, 0.3581



81.5465, 0.2807, 0.3024



81.5465, 0.3419, 0.3270

# Complementary

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



81.5465, 0.3160, 0.3581



70.4575, 0.3090, 0.3007

# 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.



81.5465, 0.3271, 0.3124



81.5465, 0.3160, 0.3581



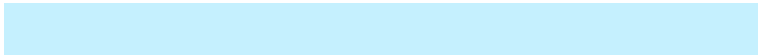
81.5465, 0.2917, 0.2983

# Square

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



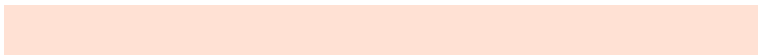
81.5465, 0.3160, 0.3581



81.5465, 0.2780, 0.3138



81.5465, 0.3086, 0.3020



81.5465, 0.3488, 0.3425



# Rectangle

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



81.5465, 0.3160, 0.3581



81.5465, 0.2881, 0.3358



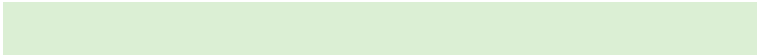
81.5465, 0.3086, 0.3020



81.5465, 0.3377, 0.3218

# Sweetspot

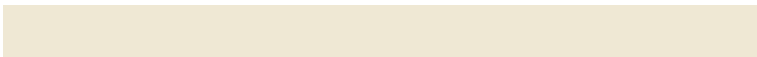
The Sweet Spot groups the original color and five complimentary colors.



81.5500, 0.3160, 0.3581



98.4590, 0.3136, 0.3364



80.7043, 0.3305, 0.3497



20.9880, 0.3138, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

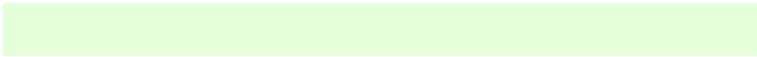


# Same Dimension

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



81.5500, 0.3160, 0.3581



93.2389, 0.3168, 0.3657



80.8076, 0.3075, 0.3515



17.8549, 0.3155, 0.3531



34.7365, 0.3109, 0.5913



2.9361, 0.3201, 0.5840



# Inverse Universe

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



70.4575, 0.3090, 0.3007



77.5823, 0.3079, 0.2936



71.2905, 0.3183, 0.3075



15.8127, 0.3096, 0.3054



8.6686, 0.2560, 0.1184

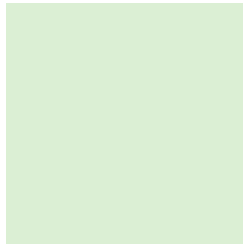


0.7687, 0.2649, 0.1233



# Previews

## White Background



This preview shows how the Yxy color 81.5465, 0.3160, 0.3581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

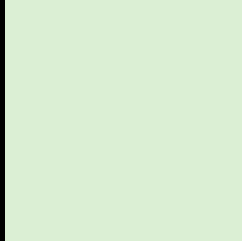
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.5465, 0.3160, 0.3581 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

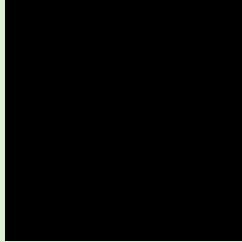
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

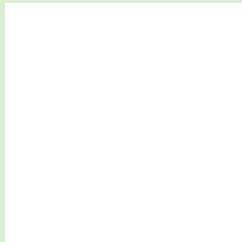
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.5465, 0.3160, 0.3581**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.5465, 0.3160, 0.3581.

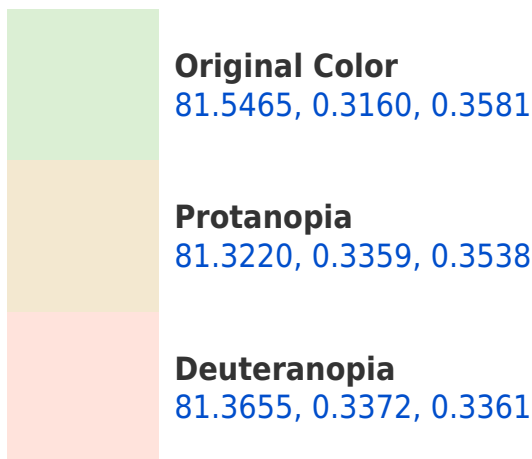


This preview shows how white text looks on a background with the Yxy color 81.5465, 0.3160, 0.3581.

# 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

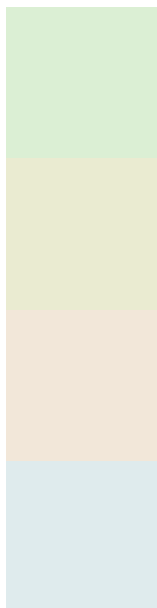




## Tritanopia

81.3137, 0.2959, 0.3095

# Trichromacy



**Original Color**

81.5465, 0.3160, 0.3581

**Protanomaly**

81.5125, 0.3285, 0.3563

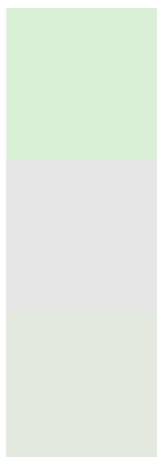
**Deuteranomaly**

81.0388, 0.3294, 0.3435

**Tritanomaly**

81.2191, 0.3036, 0.3269

# Monochromacy



**Original Color**

81.5465, 0.3160, 0.3581

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

79.7743, 0.3142, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.5465, 0.3160, 0.3581 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(219, 239, 212)` looks like.

```
.text, #text, p{  
    color:rgb(219, 239, 212)  
}
```

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(219, 239, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 239, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 81.5465, 0.3160, 0.3581 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(219, 239, 212) }
```

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

```
.border{ border-color:rgb(219, 239, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 239, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 239, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 239, 212);  
box-shadow:4px 4px 4px 4px rgb(219, 239,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.5465, 0.3160, 0.3581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 239, 212) }
```

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

```
.background{ background-color: rgb(219,  
239, 212) }
```

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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