

# Converting Colors

$Yxy(81.2268, 0.3069, 0.3574)$

Have a look what the booklet for  
Yxy(81.2268, 0.3069, 0.3574)  
contains.

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# Color

**Yxy(81.2268, 0.3069, 0.3574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0F1D7
RGB	208, 241, 215
RGB Percent	82%, 95%, 84%
CMY	0.1840, 0.0550, 0.1568
CMYK	0.14, 0.00, 0.11, 0.05
HSL	133°, 54%, 88%
HSV	133°, 14%, 95%
XYZ	69.7496, 81.2268, 76.2950
YIQ	228.1690, -11.3220, -15.0820

# Conversions

## Conversions Part 2

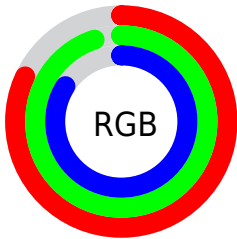
Format	Color
R <sub>Y</sub> B	208, 235, 241
Decimal	13693399
CIE Lab	92.23, -15.53, 8.97
CIE LCh	92, 17.929, 149.989
Yxy	81.2268, 0.3069, 0.3574
Android (android.graphics.Color)	4291883479 (0xFFD0F1D7)
YUV	228.1690, -6.4923, -17.6882
Hunter-Lab	90.1259, -19.5769, 12.8969

# Details

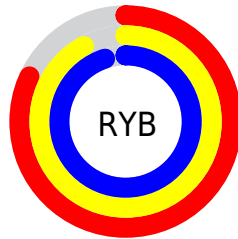
The Yxy color **81.2268, 0.3069, 0.3574** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.7913, 0.3191, 0.3022**, and the grayscale version is **77.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.0083, 0.3053, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **77.0749, 0.3027, 0.3813**, and if you desaturate by 10%, it is **86.0301, 0.3112, 0.3361**.

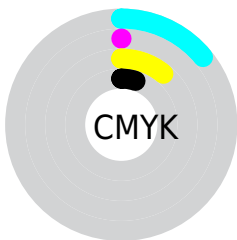
# Distribution



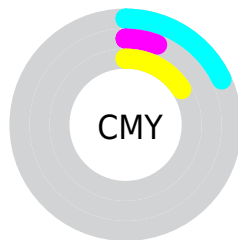
- Red (82%)
- Green (95%)
- Blue (84%)



- Red (82%)
- Yellow (92%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (18%)
- Magenta (6%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2268, 0.3069, 0.3574 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 81.2268, 0.3069, 0.3574 by changing the saturation by 10% instead.



81.2268, 0.3069,  
0.3574

81.2268, 0.3069,  
0.3574

499.0577, 0.3097,  
0.3442

60.7284, 0.3062,  
0.3604

135.0892, 0.3079,  
0.3528

44.0060, 0.3054,  
0.3641

169.2220, 0.3083,  
0.3511

30.6752, 0.3044,  
0.3689

208.6683, 0.3086,  
0.3495

20.3517, 0.3030,  
0.3751

253.8127, 0.3089,  
0.3482

12.6509, 0.3010,  
0.3836

305.0394, 0.3091,  
0.3470

7.1886, 0.2981,  
0.3958

362.7328, 0.3093,

3.5803, 0.2933,

0.3460

0.4152

427.2775, 0.3095,  
0.3451

■ 1.4417, 0.2844,  
0.4506

■ 0.2472, 0.0000,  
1.0000

■ 81.2268, 0.3069,  
0.3574

■ 81.2268, 0.3069,  
0.3574

■ 77.0749, 0.3027,  
0.3813

■ 86.0301, 0.3112,  
0.3361

■ 73.5364, 0.2987,  
0.4078

■ 91.2580, 0.3145,  
0.3174

■ 70.5848, 0.2951,  
0.4364

■ 91.3826, 0.3133,  
0.3156

■ 68.1879, 0.2923,  
0.4663

■ 66.3103, 0.2905,  
0.4963

■ 64.9122, 0.2900,  
0.5248

■ 63.9482, 0.2908,  
0.5500

■ 63.3634, 0.2929,  
0.5703

■ 63.1394, 0.2946,  
0.5804

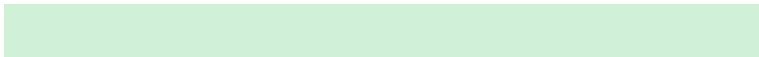
# Harmonies

## Analogous

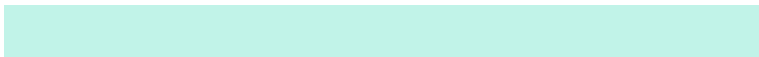
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2268, 0.3278, 0.3655



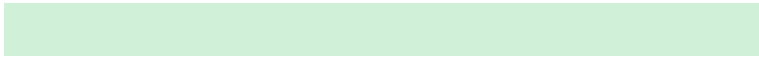
81.2268, 0.3069, 0.3574



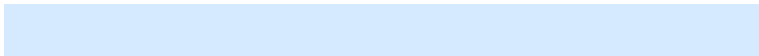
81.2268, 0.2880, 0.3409

# Triad

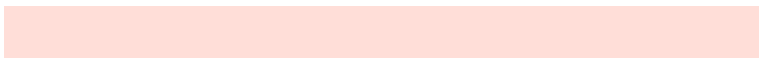
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.2268, 0.3069, 0.3574



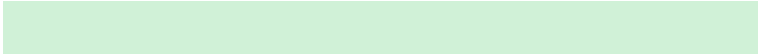
81.2268, 0.2808, 0.2955



81.2268, 0.3509, 0.3347

# Complementary

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



81.2268, 0.3069, 0.3574



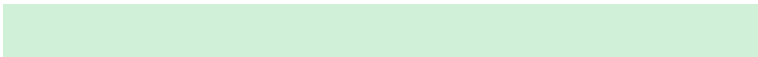
69.7913, 0.3191, 0.3022

# 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.



81.2268, 0.3375, 0.3171



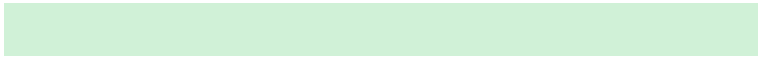
81.2268, 0.3069, 0.3574



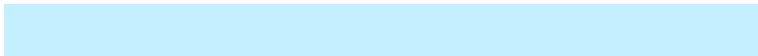
81.2268, 0.2968, 0.2950

# Square

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



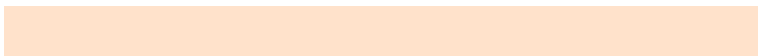
81.2268, 0.3069, 0.3574



81.2268, 0.2733, 0.3048



81.2268, 0.3175, 0.3028

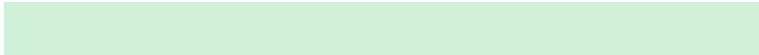


81.2268, 0.3537, 0.3514

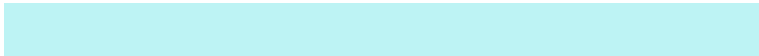


# Rectangle

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



81.2268, 0.3069, 0.3574



81.2268, 0.2790, 0.3278



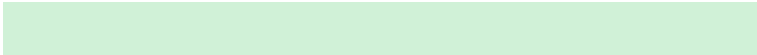
81.2268, 0.3175, 0.3028



81.2268, 0.3475, 0.3287

# Sweetspot

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



81.2302, 0.3069, 0.3574



97.6087, 0.3110, 0.3368



85.0214, 0.3287, 0.3633



20.7990, 0.3107, 0.3384



0.0000, 0.0000, 0.0000

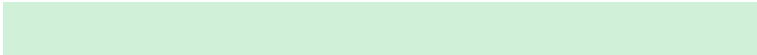


21.4041, 0.3127, 0.3290

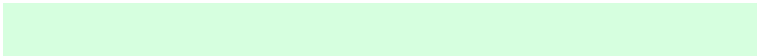


# Same Dimension

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



81.2302, 0.3069, 0.3574



91.1627, 0.3059, 0.3629



82.0996, 0.2975, 0.3396



17.7108, 0.3087, 0.3482



34.2593, 0.2939, 0.5781



2.8641, 0.2874, 0.5545



# Inverse Universe

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



69.7913, 0.3191, 0.3022



76.1334, 0.3204, 0.2973



68.9069, 0.3306, 0.3187



15.9711, 0.3170, 0.3105



12.1835, 0.3825, 0.1881

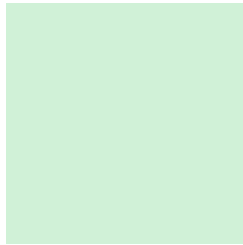


1.0277, 0.3728, 0.1827



# Previews

## White Background



This preview shows how the Yxy color 81.2268, 0.3069, 0.3574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

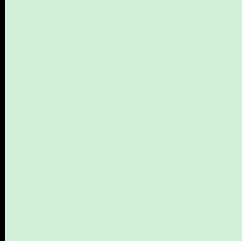
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.2268, 0.3069, 0.3574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

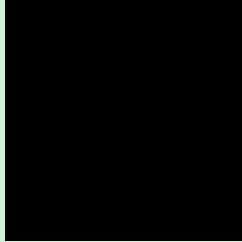
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

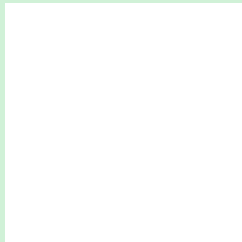
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.2268, 0.3069, 0.3574**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.2268, 0.3069, 0.3574.

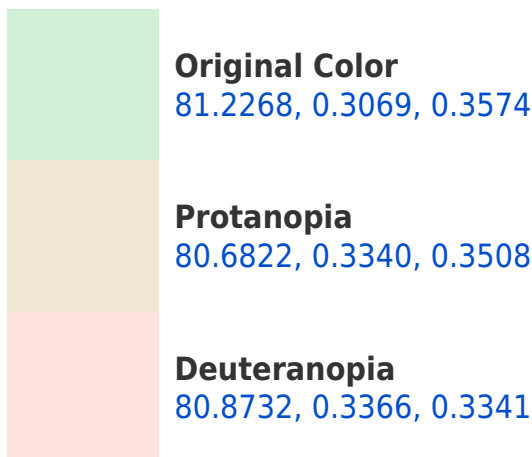


This preview shows how white text looks on a background with the Yxy color 81.2268, 0.3069, 0.3574.

# 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

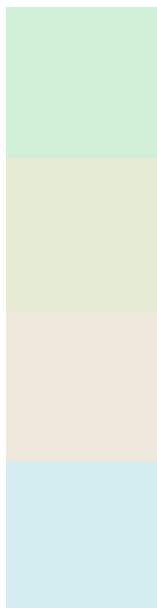




## Tritanopia

81.0195, 0.2886, 0.3092

# Trichromacy



## Original Color

81.2268, 0.3069, 0.3574

## Protanomaly

80.9931, 0.3238, 0.3533

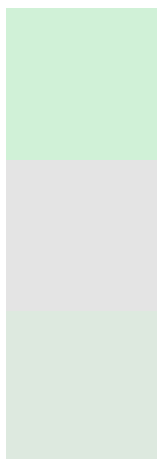
## Deuteranomaly

80.4434, 0.3253, 0.3415

## Tritanomaly

80.8567, 0.2948, 0.3258

# Monochromacy



## Original Color

81.2268, 0.3069, 0.3574

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

78.9777, 0.3109, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.2268, 0.3069, 0.3574 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(208, 241, 215)` looks like.

```
.text, #text, p{  
    color:rgb(208, 241, 215)  
}
```

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(208, 241, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 241, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 81.2268, 0.3069, 0.3574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

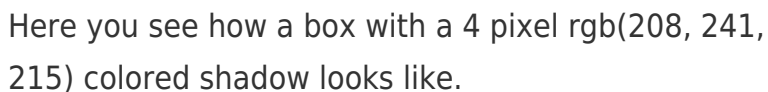
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 241, 215) }
```

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

```
.border{ border-color:rgb(208, 241, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 241, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 241, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 241, 215);  
box-shadow:4px 4px 4px 4px rgb(208, 241,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.2268, 0.3069, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 241, 215) }
```

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

```
.background{ background-color: rgb(208,  
241, 215) }
```

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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