

# Converting Colors

$Yxy(76.8983, 0.3352, 0.4056)$

Have a look what the booklet for  
Yxy(76.8983, 0.3352, 0.4056)  
contains.

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# Color

**Yxy(76.8428, 0.3352, 0.4059)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0EDA9
RGB	208, 237, 169
RGB Percent	82%, 93%, 66%
CMY	0.1843, 0.0706, 0.3373
CMYK	0.12, 0.00, 0.29, 0.07
HSL	86°, 65%, 80%
HSV	86°, 29%, 93%
XYZ	63.4583, 76.8428, 49.0136
YIQ	220.5770, 4.5440, -27.2960

# Conversions

## Conversions Part 2

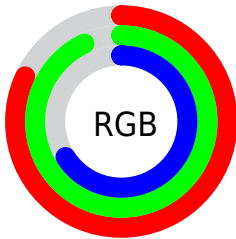
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 237, 198
Decimal	13692329
CIELab	90.25, -20.97, 29.91
CIELCh	90, 36.526, 125.029
Yxy	76.8428, 0.3352, 0.4059
Android (android.graphics.Color)	4291882409 (0xFFD0EDA9)
YUV	220.5770, -25.4275, -11.0300
Hunter-Lab	87.6600, -24.1865, 28.2111

# Details

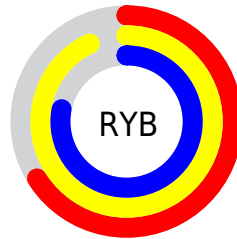
The Yxy color **76.8428, 0.3352, 0.4059** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.4865, 0.2843, 0.2505**, and the grayscale version is **72.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **41.0810, 0.3396, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **74.6171, 0.3421, 0.4351**, and if you desaturate by 10%, it is **79.3298, 0.3276, 0.3776**.

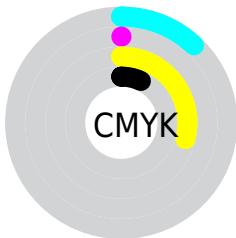
# Distribution



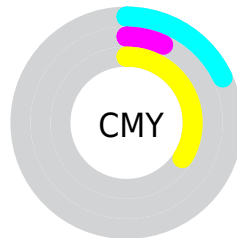
- Red (82%)
- Green (93%)
- Blue (66%)



- Red (66%)
- Yellow (93%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)




- Cyan (18%)
- Magenta (7%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8428, 0.3352, 0.4059 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 76.8428, 0.3352, 0.4059 by changing the saturation by 10% instead.





 76.8428, 0.3352,  
0.4059

 76.8428, 0.3352,  
0.4059


484.2279, 0.3257,  
0.3695

 57.1239, 0.3371,  
0.4144


 128.9176, 0.3321,  
0.3931

 41.1047, 0.3393,  
0.4249


162.0422, 0.3309,  
0.3882

 28.4009, 0.3418,  
0.4382


200.4041, 0.3297,  
0.3840

 18.6281, 0.3446,  
0.4558

244.3878, 0.3288,  
0.3803

 11.4019, 0.3476,  
0.4797

294.3776, 0.3279,  
0.3771

 6.3378, 0.3498,  
0.5137


350.7580, 0.3271,


 3.0516, 0.3563,

0.3743


413.9133, 0.3264,  
0.3718


0.5775


 1.1587, 0.3284,  
0.6716


 0.0276, 0.0000,  
1.0000


 76.8428, 0.3352,  
0.4059


 76.8428, 0.3352,  
0.4059


 74.6171, 0.3421,  
0.4351


 79.3298, 0.3276,  
0.3776


 72.6323, 0.3480,  
0.4640

 82.0778, 0.3196,  
0.3508

 70.8803, 0.3522,  
0.4916

 85.0993, 0.3117,  
0.3259

 69.3488, 0.3543,  
0.5163

 87.8243, 0.3092,  
0.3115

■ 68.0236, 0.3541,  
0.5367

■ 89.0511, 0.3135,  
0.3117

■ 66.8887, 0.3515,  
0.5521

■ 65.9208, 0.3468,  
0.5622

■ 65.8035, 0.3462,  
0.5633

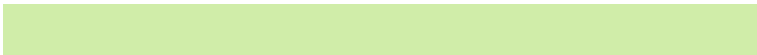
# Harmonies

## Analogous

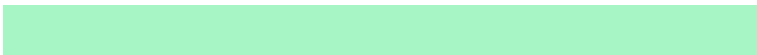
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8428, 0.3736, 0.4014



76.8428, 0.3352, 0.4059



76.8428, 0.2924, 0.3853

# Triad

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



76.8428, 0.3352, 0.4059



76.8428, 0.2350, 0.2740



76.8428, 0.3703, 0.3098

# Complementary

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



76.8428, 0.3352, 0.4059



46.4865, 0.2843, 0.2505

# Split Complementary

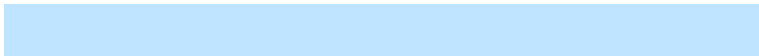
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8428, 0.3292, 0.2809



76.8428, 0.3352, 0.4059



76.8428, 0.2524, 0.2600

# Square

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



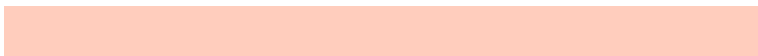
76.8428, 0.3352, 0.4059



76.8428, 0.2364, 0.3046



76.8428, 0.2860, 0.2631

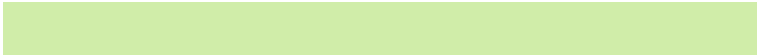


76.8428, 0.3955, 0.3442



# Rectangle

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



76.8428, 0.3352, 0.4059



76.8428, 0.2672, 0.3604



76.8428, 0.2860, 0.2631



76.8428, 0.3577, 0.2992

# Sweetspot

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



76.8462, 0.3352, 0.4059



96.8006, 0.3199, 0.3516



60.9493, 0.3674, 0.3604



20.6139, 0.3211, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

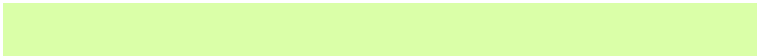


# Same Dimension

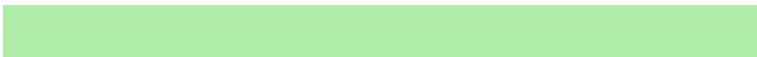
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8462, 0.3352, 0.4059



89.2704, 0.3391, 0.4217



72.5085, 0.3124, 0.4116



17.2887, 0.3202, 0.3527



36.0037, 0.3473, 0.5625



2.8837, 0.3569, 0.5548



# Inverse Universe

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



46.4865, 0.2843, 0.2505



48.3519, 0.2776, 0.2340



51.5287, 0.3114, 0.2566



14.8628, 0.3046, 0.3051



4.9233, 0.1890, 0.0815

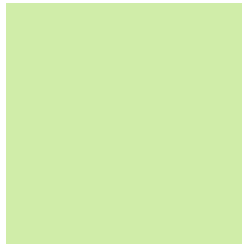


0.4422, 0.2044, 0.0900



# Previews

## White Background



This preview shows how the Yxy color 76.8428, 0.3352, 0.4059 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

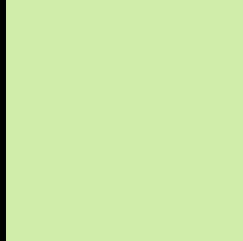
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8428, 0.3352, 0.4059 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

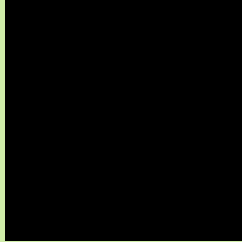
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

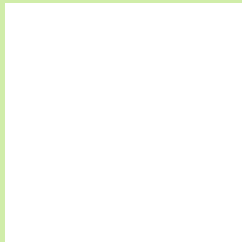
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.8428, 0.3352, 0.4059**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8428, 0.3352, 0.4059.

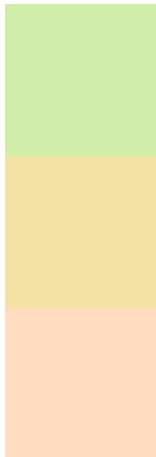


This preview shows how white text looks on a background with the Yxy color 76.8428, 0.3352, 0.4059.

# 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

76.8428, 0.3352, 0.4059

### Protanopia

76.3061, 0.3678, 0.3941

### Deuteranopia

76.2080, 0.3589, 0.3587



## Tritanopia

76.5908, 0.2961, 0.3100

# Trichromacy



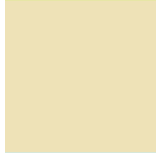
## Original Color

76.8428, 0.3352, 0.4059



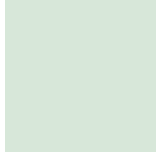
## Protanomaly

76.3357, 0.3554, 0.3982



## Deuteranomaly

75.9888, 0.3503, 0.3749



## Tritanomaly

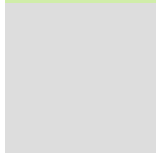
76.6087, 0.3106, 0.3443

# Monochromacy



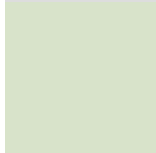
## Original Color

76.8428, 0.3352, 0.4059



## Achromatopsia

72.3055, 0.3127, 0.3290



## Achromatomaly

73.8014, 0.3212, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8428, 0.3352, 0.4059 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, 237, 169)` looks like.

```
.text, #text, p{  
    color:rgb(208, 237, 169)  
}
```

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, 237, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 237, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8428, 0.3352, 0.4059 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, 237, 169) }
```

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

```
.border{ border-color:rgb(208, 237, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 237, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 237, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 237, 169);  
box-shadow:4px 4px 4px 4px rgb(208, 237,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8428, 0.3352, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 237, 169) }
```

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

```
.background{ background-color: rgb(208,  
237, 169) }
```

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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