

# Converting Colors

$Yxy(76.5562, 0.3310, 0.4055)$

Have a look what the booklet for  
Yxy(76.5562, 0.3310, 0.4055)  
contains.

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# Color

**Yxy(76.7479, 0.3309, 0.4066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBEEAA
RGB	203, 238, 170
RGB Percent	80%, 93%, 67%
CMY	0.2039, 0.0666, 0.3334
CMYK	0.15, 0.00, 0.29, 0.07
HSL	91°, 67%, 80%
HSV	91°, 29%, 93%
XYZ	62.4591, 76.7479, 49.5483
YIQ	219.7830, 0.9680, -28.5680

# Conversions

## Conversions Part 2

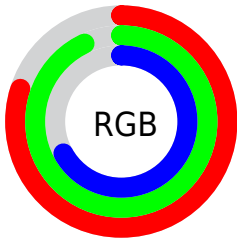
Format	Color
<a href="#">RYB</a>	<a href="#">170, 238, 205</a>
Decimal	<a href="#">13364906</a>
CIELab	<a href="#">90.21, -23.08, 29.28</a>
CIElCh	<a href="#">90, 37.283, 128.251</a>
Yxy	<a href="#">76.7479, 0.3309, 0.4066</a>
Android (android.graphics.Color)	<a href="#">4291554986</a> ( <a href="#">0xFFCBEEAA</a> )
YUV	<a href="#">219.7830, -24.5430, -14.7187</a>
Hunter-Lab	<a href="#">87.6059, -26.0477, 27.7908</a>

# Details

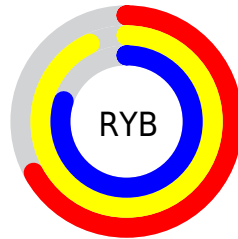
The Yxy color **76.7479, 0.3309, 0.4066** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **47.8991, 0.2892, 0.2519**, and the grayscale version is **71.5868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **41.0362, 0.3341, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **74.2782, 0.3363, 0.4367**, and if you desaturate by 10%, it is **79.5233, 0.3248, 0.3776**.

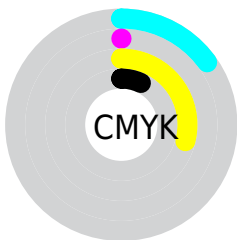
# Distribution



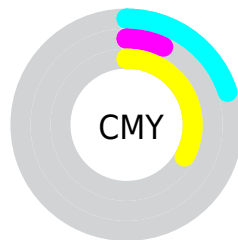
- Red (80%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7479, 0.3309, 0.4066 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 76.7479, 0.3309, 0.4066 by changing the saturation by 10% instead.





 76.7479, 0.3309,  
0.4066

 76.7479, 0.3309,  
0.4066


483.9041, 0.3234,  
0.3697

 57.0460, 0.3323,  
0.4152


 128.7836, 0.3285,  
0.3936

 41.0422, 0.3340,  
0.4259


161.8861, 0.3275,  
0.3887

 28.3520, 0.3358,  
0.4396


200.2243, 0.3266,  
0.3844

 18.5912, 0.3377,  
0.4576

244.1825, 0.3259,  
0.3807

 11.3753, 0.3394,  
0.4822

294.1453, 0.3252,  
0.3774

 6.3198, 0.3399,  
0.5175


350.4968, 0.3245,


 3.0405, 0.3427,

0.3746

0.5828


413.6216, 0.3239,  
0.3720


 1.1529, 0.3068,  
0.6932


 0.0227, 0.0000,  
1.0000


 76.7479, 0.3309,  
0.4066


 76.7479, 0.3309,  
0.4066


 74.2782, 0.3363,  
0.4367


 79.5233, 0.3248,  
0.3776


 72.0921, 0.3407,  
0.4670

 82.6054, 0.3183,  
0.3505

 70.1801, 0.3435,  
0.4961

 86.0081, 0.3118,  
0.3256

 68.5283, 0.3444,  
0.5225

 89.0671, 0.3115,  
0.3126

■ 67.1207, 0.3431,  
0.5445

■ 89.6320, 0.3135,  
0.3127

■ 65.9395, 0.3396,  
0.5611

■ 64.9598, 0.3343,  
0.5720

■ 64.8322, 0.3335,  
0.5734

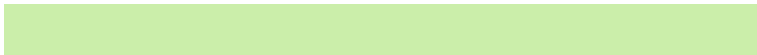
# Harmonies

## Analogous

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



76.7479, 0.3712, 0.4046



76.7479, 0.3309, 0.4066



76.7479, 0.2875, 0.3830

# Triad

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



76.7479, 0.3309, 0.4066



76.7479, 0.2345, 0.2704



76.7479, 0.3753, 0.3129

# Complementary

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



76.7479, 0.3309, 0.4066



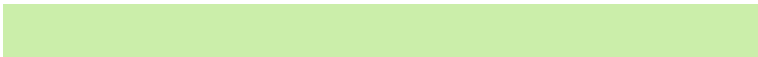
47.8991, 0.2892, 0.2519

# Split Complementary

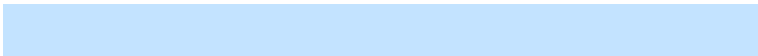
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7479, 0.3344, 0.2827



76.7479, 0.3309, 0.4066



76.7479, 0.2541, 0.2582

# Square

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



76.7479, 0.3309, 0.4066



76.7479, 0.2338, 0.2999



76.7479, 0.2898, 0.2631

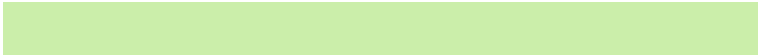


76.7479, 0.3987, 0.3482



# Rectangle

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



76.7479, 0.3309, 0.4066



76.7479, 0.2626, 0.3565



76.7479, 0.2898, 0.2631



76.7479, 0.3630, 0.3020

# Sweetspot

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



76.7512, 0.3309, 0.4066



96.4374, 0.3186, 0.3517



64.2657, 0.3654, 0.3663



20.5245, 0.3196, 0.3556



0.0000, 0.0000, 0.0000

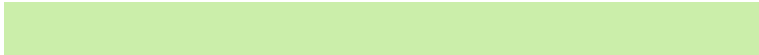


21.4041, 0.3127, 0.3290

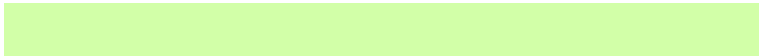


# Same Dimension

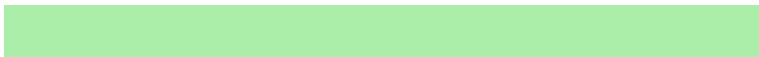
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7512, 0.3309, 0.4066



88.1161, 0.3340, 0.4232



72.5995, 0.3088, 0.4121



18.0329, 0.3189, 0.3529



36.2445, 0.3347, 0.5725



3.0742, 0.3447, 0.5645



# Inverse Universe

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



47.8991, 0.2892, 0.2519



49.4701, 0.2834, 0.2356



53.0987, 0.3161, 0.2579



15.6287, 0.3060, 0.3052



5.8494, 0.2052, 0.0904

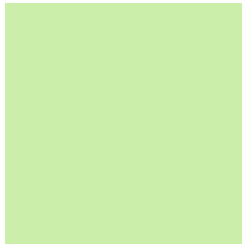


0.5458, 0.2193, 0.0982



# Previews

## White Background



This preview shows how the Yxy color 76.7479, 0.3309, 0.4066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

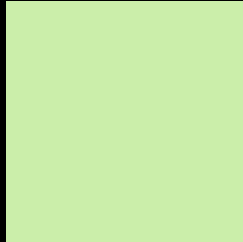
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.7479, 0.3309, 0.4066 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

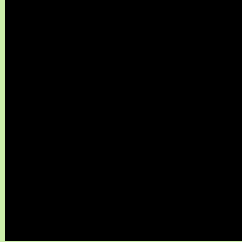
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

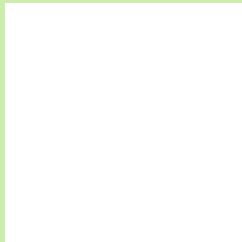
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.7479, 0.3309, 0.4066**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.7479, 0.3309, 0.4066.

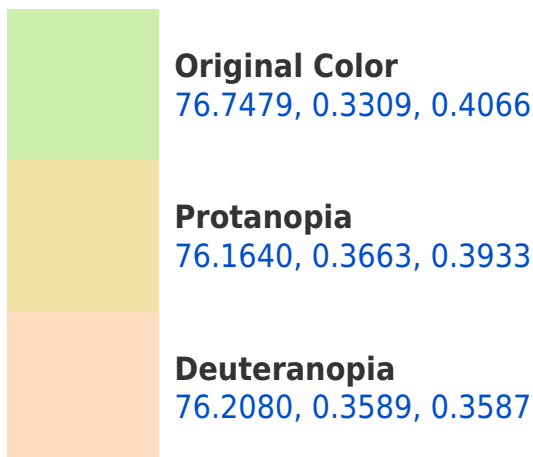


This preview shows how white text looks on a background with the Yxy color 76.7479, 0.3309, 0.4066.

# 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

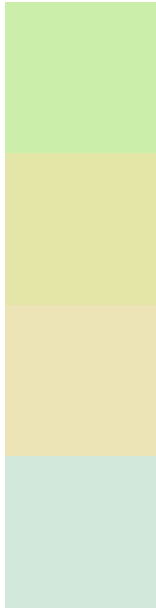




## Tritanopia

76.4368, 0.2923, 0.3099

# Trichromacy



**Original Color**

76.7479, 0.3309, 0.4066

**Protanomaly**

75.8776, 0.3525, 0.3977

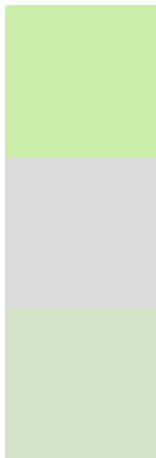
**Deuteranomaly**

76.1899, 0.3485, 0.3761

**Tritanomaly**

76.4768, 0.3066, 0.3444

# Monochromacy



**Original Color**

76.7479, 0.3309, 0.4066

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

73.4986, 0.3198, 0.3569

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.7479, 0.3309, 0.4066 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(203, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(203, 238, 170)  
}
```

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(203, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 76.7479, 0.3309, 0.4066 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(203, 238, 170) }
```

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

```
.border{ border-color:rgb(203, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(203, 238,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.7479, 0.3309, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 170) }
```

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

```
.background{ background-color: rgb(203,  
238, 170) }
```

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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