

# Converting Colors

$Yxy(74.1737, 0.3120, 0.3751)$

Have a look what the booklet for  
Yxy(74.1737, 0.3120, 0.3751)  
contains.

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# Color

**Yxy(74.4764, 0.3119, 0.3751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4EAC2
RGB	196, 234, 194
RGB Percent	77%, 92%, 76%
CMY	0.2313, 0.0823, 0.2392
CMYK	0.16, 0.00, 0.17, 0.08
HSL	117°, 49%, 84%
HSV	117°, 17%, 92%
XYZ	61.9280, 74.4764, 62.1464
YIQ	218.0780, -9.8080, -20.4960

# Conversions

## Conversions Part 2

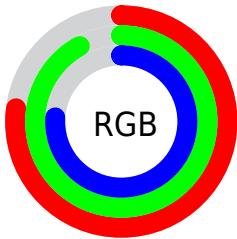
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 234, 232
Decimal	12905154
CIELab	89.15, -19.76, 15.39
CIELCh	89, 25.042, 142.087
Yxy	74.4764, 0.3119, 0.3751
Android (android.graphics.Color)	4291095234 (0xFFC4EAC2)
YUV	218.0780, -11.8705, -19.3624
Hunter-Lab	86.2997, -22.9343, 17.7137

# Details

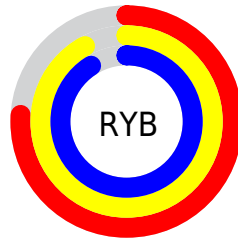
The Yxy color **74.4764, 0.3119, 0.3751** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.6743, 0.3131, 0.2865**, and the grayscale version is **70.2596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3677, 0.3138, 0.3328**, and **39.4850, 0.3117, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **70.7473, 0.3111, 0.4065**, and if you desaturate by 10%, it is **78.8186, 0.3124, 0.3469**.

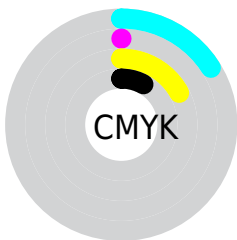
# Distribution



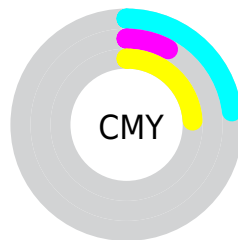
- Red (77%)
- Green (92%)
- Blue (76%)



- Red (76%)
- Yellow (92%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (8%)




- Cyan (23%)
- Magenta (8%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4764, 0.3119, 0.3751 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 74.4764, 0.3119, 0.3751 by changing the saturation by 10% instead.





 74.4764, 0.3119,  
0.3751

 74.4764, 0.3119,  
0.3751


476.1160, 0.3126,  
0.3532

 55.1840, 0.3117,  
0.3802


 125.5709, 0.3122,  
0.3674

 39.5491, 0.3113,  
0.3867

158.1418, 0.3123,  
0.3644

 27.1872, 0.3108,  
0.3949


195.9078, 0.3124,  
0.3619

 17.7138, 0.3100,  
0.4059

239.2531, 0.3125,  
0.3597

 10.7447, 0.3086,  
0.4213

288.5621, 0.3125,  
0.3578

 5.8955, 0.3062,  
0.4441


344.2194, 0.3125,

 2.7816, 0.3009,

0.3561

0.4814

406.6092, 0.3126,  
0.3546


 1.0188, 0.3147,  
0.6677


 0.0000, 0.0000,  
0.0000

 74.4764, 0.3119,  
0.3751


 74.4764, 0.3119,  
0.3751

 70.7473, 0.3111,  
0.4065


 78.8186, 0.3124,  
0.3469

 67.5946, 0.3102,  
0.4407

 83.7897, 0.3128,  
0.3222

 64.9925, 0.3089,  
0.4762

 87.3266, 0.3137,  
0.3088

 62.9094, 0.3074,  
0.5113

■ 61.3105, 0.3057,  
0.5433

■ 60.1566, 0.3040,  
0.5695

■ 59.4025, 0.3024,  
0.5878

■ 58.9928, 0.3010,  
0.5976

■ 58.9235, 0.3008,  
0.5994

# Harmonies

## Analogous

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



74.4764, 0.3414, 0.3825



74.4764, 0.3119, 0.3751



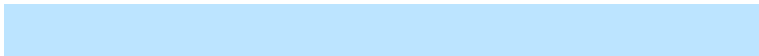
74.4764, 0.2836, 0.3533

# Triad

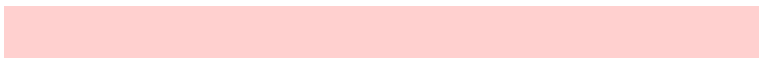
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4764, 0.3119, 0.3751



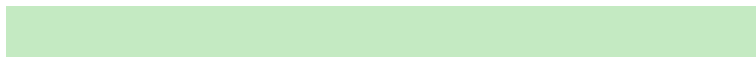
74.4764, 0.2633, 0.2834



74.4764, 0.3641, 0.3298

# Complementary

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



74.4764, 0.3119, 0.3751



61.6743, 0.3131, 0.2865

# 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.



74.4764, 0.3413, 0.3061



74.4764, 0.3119, 0.3751



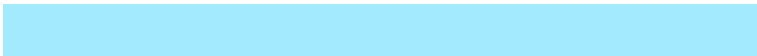
74.4764, 0.2829, 0.2798

# Square

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



74.4764, 0.3119, 0.3751



74.4764, 0.2564, 0.2992



74.4764, 0.3113, 0.2881



74.4764, 0.3724, 0.3545



# Rectangle

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



74.4764, 0.3119, 0.3751



74.4764, 0.2690, 0.3344



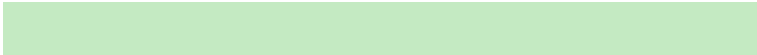
74.4764, 0.3113, 0.2881



74.4764, 0.3579, 0.3215

# Sweetspot

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



74.4796, 0.3119, 0.3751



96.9818, 0.3125, 0.3415



78.7268, 0.3388, 0.3688



20.6707, 0.3125, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

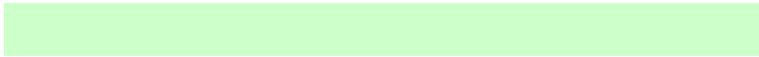


# Same Dimension

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



74.4796, 0.3119, 0.3751



88.6179, 0.3116, 0.3873



75.0350, 0.3001, 0.3548



16.8985, 0.3123, 0.3533



33.1272, 0.3011, 0.5991



2.6141, 0.3041, 0.5967



# Inverse Universe

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



61.6743, 0.3131, 0.2865



69.9535, 0.3132, 0.2763



61.0665, 0.3277, 0.3046



15.2727, 0.3130, 0.3057



12.0971, 0.3083, 0.1472

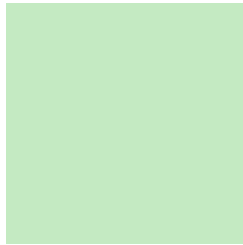


0.9619, 0.3102, 0.1482



# Previews

## White Background



This preview shows how the Yxy color 74.4764, 0.3119, 0.3751 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 74.4764, 0.3119, 0.3751 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

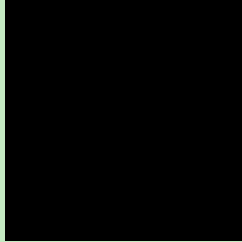
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

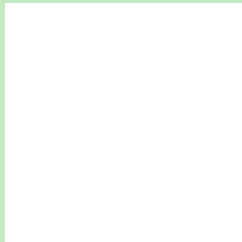
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.4764, 0.3119, 0.3751**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.4764, 0.3119, 0.3751.

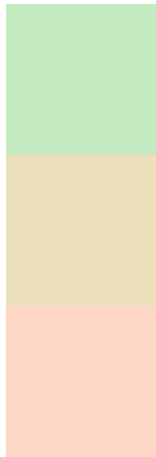


This preview shows how white text looks on a background with the Yxy color 74.4764, 0.3119, 0.3751.

# 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

74.4764, 0.3119, 0.3751

### Protanopia

74.0684, 0.3452, 0.3667

### Deuteranopia

73.7489, 0.3542, 0.3466



## Tritanopia

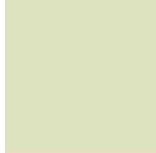
74.3681, 0.2865, 0.3094

# Trichromacy



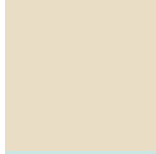
## Original Color

74.4764, 0.3119, 0.3751



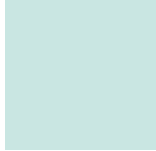
## Protanomaly

74.0280, 0.3327, 0.3699



## Deuteranomaly

73.5974, 0.3376, 0.3560



## Tritanomaly

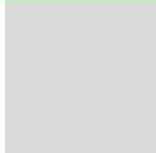
74.5021, 0.2959, 0.3334

# Monochromacy



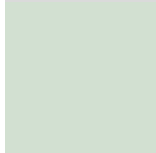
## Original Color

74.4764, 0.3119, 0.3751



## Achromatopsia

70.1102, 0.3127, 0.3290



## Achromatomaly

71.6164, 0.3126, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4764, 0.3119, 0.3751 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(196, 234, 194)` looks like.

```
.text, #text, p{  
    color:rgb(196, 234, 194)  
}
```

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(196, 234, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 234, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4764, 0.3119, 0.3751 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(196, 234, 194) }
```

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

```
.border{ border-color:rgb(196, 234, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 234, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 234, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 234, 194);  
box-shadow:4px 4px 4px 4px rgb(196, 234,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4764, 0.3119, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 234, 194) }
```

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

```
.background{ background-color: rgb(196,  
234, 194) }
```

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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