

# Converting Colors

$Yxy(74.6871, 0.3101, 0.3940)$

Have a look what the booklet for  
Yxy(74.6871, 0.3101, 0.3940)  
contains.

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# Color

**Yxy(74.7583, 0.3103, 0.3939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EEB7
RGB	184, 238, 183
RGB Percent	72%, 93%, 72%
CMY	0.2784, 0.0667, 0.2822
CMYK	0.23, 0.00, 0.23, 0.07
HSL	119°, 62%, 83%
HSV	119°, 23%, 93%
XYZ	58.8919, 74.7583, 56.1399
YIQ	215.5840, -14.5290, -28.5530

# Conversions

## Conversions Part 2

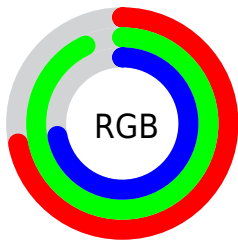
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 238, 237
Decimal	12119735
CIELab	89.28, -27.53, 21.14
CIELCh	89, 34.712, 142.477
Yxy	74.7583, 0.3103, 0.3939
Android (android.graphics.Color)	4290309815 (0xFFB8EEB7)
YUV	215.5840, -16.0639, -27.6992
Hunter-Lab	86.4629, -29.7296, 22.0273

# Details

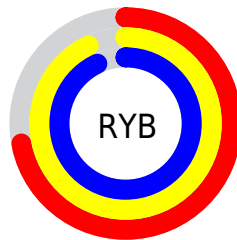
The Yxy color **74.7583, 0.3103, 0.3939** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **58.0607, 0.3146, 0.2714**, and the grayscale version is **68.4939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4528, 0.3132, 0.3448**, and **39.8134, 0.3089, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **71.2000, 0.3090, 0.4273**, and if you desaturate by 10%, it is **78.9676, 0.3115, 0.3635**.

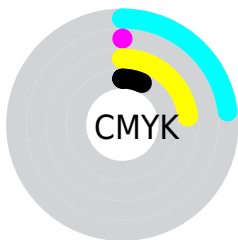
# Distribution



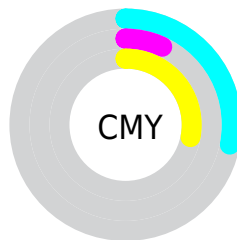
- Red (72%)
- Green (93%)
- Blue (72%)



- Red (72%)
- Yellow (93%)
- Blue (93%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)




- Cyan (28%)
- Magenta (7%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7583, 0.3103, 0.3939 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 74.7583, 0.3103, 0.3939 by changing the saturation by 10% instead.



 74.7583, 0.3103,  
0.3939

 74.7583, 0.3103,  
0.3939


477.0864, 0.3121,  
0.3628

 55.4149, 0.3097,  
0.4013


 125.9702, 0.3110,  
0.3829

 39.7340, 0.3089,  
0.4105


158.6074, 0.3113,  
0.3787

 27.3312, 0.3077,  
0.4224


196.4448, 0.3115,  
0.3751

 17.8221, 0.3059,  
0.4384

239.8666, 0.3117,  
0.3719

 10.8224, 0.3030,  
0.4607

289.2572, 0.3118,  
0.3692

 5.9475, 0.2975,  
0.4940


345.0012, 0.3119,

 2.8132, 0.2864,

0.3668

407.4828, 0.3120,  
0.3647


0.5486


 1.0350, 0.2272,  
0.7728


 0.0000, 0.0000,  
0.0000

 74.7583, 0.3103,  
0.3939


 74.7583, 0.3103,  
0.3939

 71.2000, 0.3090,  
0.4273


 78.9676, 0.3115,  
0.3635


 68.2513, 0.3075,  
0.4629

 83.8479, 0.3124,  
0.3366

 65.8809, 0.3059,  
0.4988

 89.4304, 0.3133,  
0.3132

 64.0508, 0.3043,  
0.5325

 89.6304, 0.3135,  
0.3127

■ 62.7184, 0.3028,  
0.5614

■ 61.8349, 0.3015,  
0.5828

■ 61.3417, 0.3006,  
0.5954

■ 61.1777, 0.3003,  
0.5998

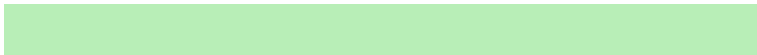
# Harmonies

## Analogous

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



74.7583, 0.3510, 0.4037



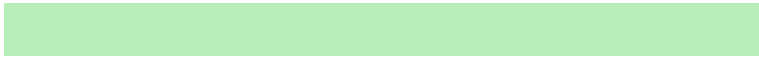
74.7583, 0.3103, 0.3939



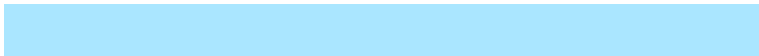
74.7583, 0.2719, 0.3624

# Triad

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



74.7583, 0.3103, 0.3939



74.7583, 0.2456, 0.2663



74.7583, 0.3846, 0.3296

# Complementary

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



74.7583, 0.3103, 0.3939



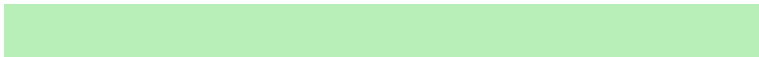
58.0607, 0.3146, 0.2714

# 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.



74.7583, 0.3526, 0.2980



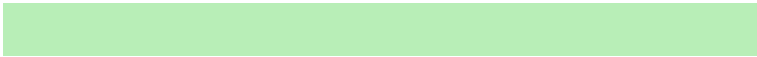
74.7583, 0.3103, 0.3939



74.7583, 0.2720, 0.2624

# Square

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



74.7583, 0.3103, 0.3939



74.7583, 0.2362, 0.2868



74.7583, 0.3108, 0.2740

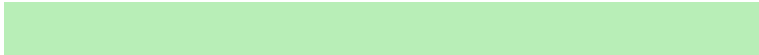


74.7583, 0.3956, 0.3631



# Rectangle

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



74.7583, 0.3103, 0.3939



74.7583, 0.2525, 0.3353



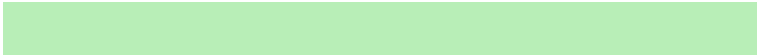
74.7583, 0.3108, 0.2740



74.7583, 0.3758, 0.3186

# Sweetspot

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



74.7615, 0.3103, 0.3939



95.7283, 0.3121, 0.3468



81.6863, 0.3480, 0.3849



20.4150, 0.3120, 0.3484



0.0000, 0.0000, 0.0000

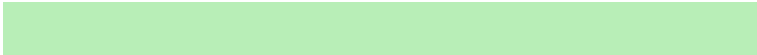


21.4041, 0.3127, 0.3290

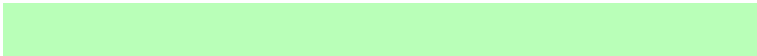


# Same Dimension

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



74.7615, 0.3103, 0.3939



85.2619, 0.3097, 0.4103



75.8089, 0.2948, 0.3629



17.6698, 0.3118, 0.3534



34.1361, 0.3004, 0.5997



2.8445, 0.3014, 0.5989



# Inverse Universe

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



58.0607, 0.3146, 0.2714



62.3551, 0.3150, 0.2589



56.8272, 0.3356, 0.2974



16.0163, 0.3135, 0.3057



13.1877, 0.3165, 0.1517

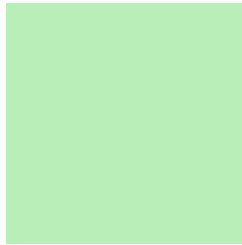


1.1016, 0.3171, 0.1521



# Previews

## White Background



This preview shows how the Yxy color 74.7583, 0.3103, 0.3939 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 74.7583, 0.3103, 0.3939 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

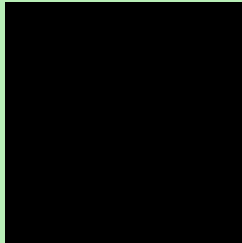
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

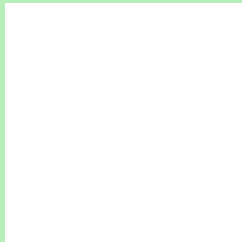
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.7583, 0.3103, 0.3939**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7583, 0.3103, 0.3939.

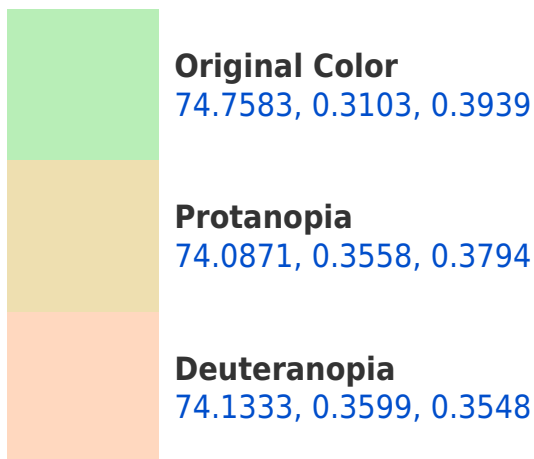


This preview shows how white text looks on a background with the Yxy color 74.7583, 0.3103, 0.3939.

# 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

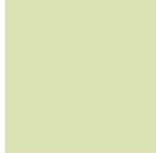
74.4180, 0.2794, 0.3081

# Trichromacy



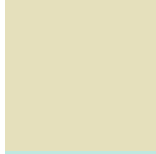
## Original Color

74.7583, 0.3103, 0.3939



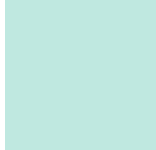
## Protanomaly

73.6469, 0.3377, 0.3838



## Deuteranomaly

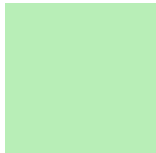
73.6002, 0.3405, 0.3683



## Tritanomaly

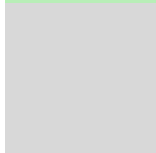
74.1714, 0.2907, 0.3380

# Monochromacy



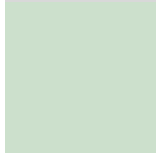
## Original Color

74.7583, 0.3103, 0.3939



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.5083, 0.3116, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7583, 0.3103, 0.3939 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(184, 238, 183)` looks like.

```
.text, #text, p{  
    color:rgb(184, 238, 183)  
}
```

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(184, 238, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 238, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7583, 0.3103, 0.3939 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(184, 238, 183) }
```

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

```
.border{ border-color:rgb(184, 238, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 238, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 238, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 238, 183);  
box-shadow:4px 4px 4px 4px rgb(184, 238,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7583, 0.3103, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 238, 183) }
```

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

```
.background{ background-color: rgb(184,  
238, 183) }
```

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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