

# Converting Colors

$Yxy(74.7501, 0.3192, 0.4085)$

Have a look what the booklet for  
Yxy(74.7501, 0.3192, 0.4085)  
contains.

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# Color

**Yxy(74.6541, 0.3193, 0.4081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBEEAB
RGB	187, 238, 171
RGB Percent	73%, 93%, 67%
CMY	0.2669, 0.0666, 0.3293
CMYK	0.21, 0.00, 0.28, 0.07
HSL	106°, 66%, 80%
HSV	106°, 28%, 93%
XYZ	58.4098, 74.6541, 49.8670
YIQ	215.1130, -8.8890, -31.6490

# Conversions

## Conversions Part 2

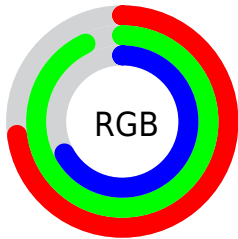
Format	Color
<a href="#">RYB</a>	<a href="#">171, 238, 222</a>
Decimal	<a href="#">12316331</a>
CIELab	<a href="#">89.23, -28.49, 27.27</a>
CIElCh	<a href="#">89, 39.434, 136.250</a>
Yxy	<a href="#">74.6541, 0.3193, 0.4081</a>
Android (android.graphics.Color)	<a href="#">4290506411 (0xFFBBEEAB)</a>
YUV	<a href="#">215.1130, -21.7477, -24.6551</a>
Hunter-Lab	<a href="#">86.4026, -30.5351, 26.2628</a>

# Details

The Yxy color **74.6541, 0.3193, 0.4081** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.8500, 0.3030, 0.2561**, and the grayscale version is **68.1860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2991, 0.3221, 0.3568**, and **39.7504, 0.3202, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **71.6850, 0.3208, 0.4407**, and if you desaturate by 10%, it is **78.0821, 0.3172, 0.3775**.

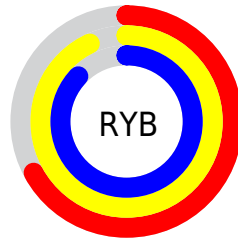
# Distribution



Red (73%)

Green (93%)

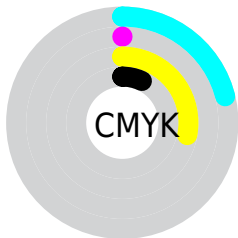
Blue (67%)



Red (67%)

Yellow (93%)

Blue (87%)

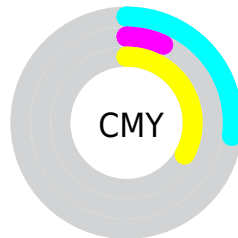


Cyan (21%)

Magenta (0%)

Yellow (28%)

Black (7%)



Cyan (27%)

Magenta (7%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6541, 0.3193, 0.4081 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 74.6541, 0.3193, 0.4081 by changing the saturation by 10% instead.




 74.6541, 0.3193,  
0.4081

 74.6541, 0.3193,  
0.4081

476.7278, 0.3172,  
0.3701

 55.3296, 0.3195,  
0.4171


 125.8226, 0.3188,  
0.3946

 39.6656, 0.3196,  
0.4284


158.4354, 0.3185,  
0.3895

 27.2779, 0.3195,  
0.4429

196.2463, 0.3183,  
0.3851

 17.7821, 0.3189,  
0.4623

239.6399, 0.3180,  
0.3813

 10.7936, 0.3172,  
0.4892

289.0004, 0.3178,  
0.3779

 5.9283, 0.3129,  
0.5288


344.7123, 0.3176,

 2.8015, 0.3077,


0.3750


0.6037

407.1600, 0.3174,  
0.3724


 1.0290, 0.2114,  
0.7886


 0.0000, 0.0000,  
0.0000

 74.6541, 0.3193,  
0.4081


 74.6541, 0.3193,  
0.4081


 71.6850, 0.3208,  
0.4407


 78.0821, 0.3172,  
0.3775


 69.1456, 0.3216,  
0.4743

 81.9778, 0.3148,  
0.3496

 67.0183, 0.3213,  
0.5072

 86.3615, 0.3122,  
0.3246

 65.2801, 0.3199,  
0.5373

 89.6384, 0.3135,  
0.3127

■ 63.9057, 0.3172,  
0.5624

■ 62.8666, 0.3135,  
0.5807

■ 62.1270, 0.3092,  
0.5917

■ 62.0161, 0.3085,  
0.5933

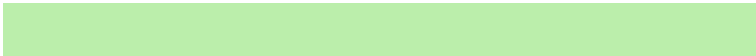
# Harmonies

## Analogous

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



74.6541, 0.3644, 0.4128



74.6541, 0.3193, 0.4081



74.6541, 0.2744, 0.3762

# Triad

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



74.6541, 0.3193, 0.4081



74.6541, 0.2333, 0.2613



74.6541, 0.3886, 0.3215

# Complementary

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



74.6541, 0.3193, 0.4081



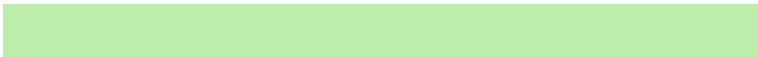
50.8500, 0.3030, 0.2561

# 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.



74.6541, 0.3485, 0.2875



74.6541, 0.3193, 0.4081



74.6541, 0.2590, 0.2535

# Square

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



74.6541, 0.3193, 0.4081



74.6541, 0.2271, 0.2877



74.6541, 0.3004, 0.2633



74.6541, 0.4067, 0.3591



# Rectangle

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



74.6541, 0.3193, 0.4081



74.6541, 0.2505, 0.3457



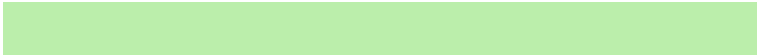
74.6541, 0.3004, 0.2633



74.6541, 0.3771, 0.3094

# Sweetspot

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



74.6573, 0.3193, 0.4081



95.9242, 0.3148, 0.3493



72.9746, 0.3598, 0.3830



20.3765, 0.3152, 0.3533



0.0000, 0.0000, 0.0000

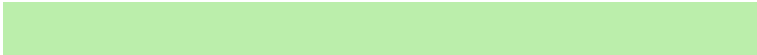


21.4041, 0.3127, 0.3290

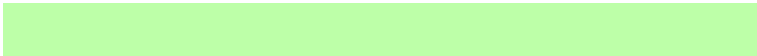


# Same Dimension

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



74.6573, 0.3193, 0.4081



85.1659, 0.3203, 0.4274



73.4392, 0.2993, 0.3896



17.8377, 0.3151, 0.3532



34.6427, 0.3093, 0.5926



2.9262, 0.3182, 0.5856



# Inverse Universe

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



50.8500, 0.3030, 0.2561



52.8944, 0.3002, 0.2400



52.5471, 0.3296, 0.2753



15.8311, 0.3100, 0.3055



9.0152, 0.2614, 0.1214

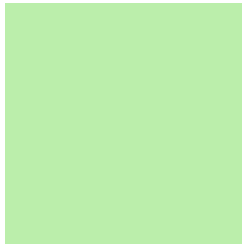


0.7950, 0.2696, 0.1259



# Previews

## White Background



This preview shows how the Yxy color 74.6541, 0.3193, 0.4081 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 74.6541, 0.3193, 0.4081 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

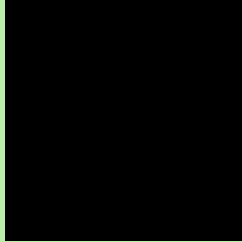
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

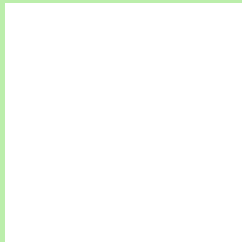
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6541, 0.3193, 0.4081**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6541, 0.3193, 0.4081.

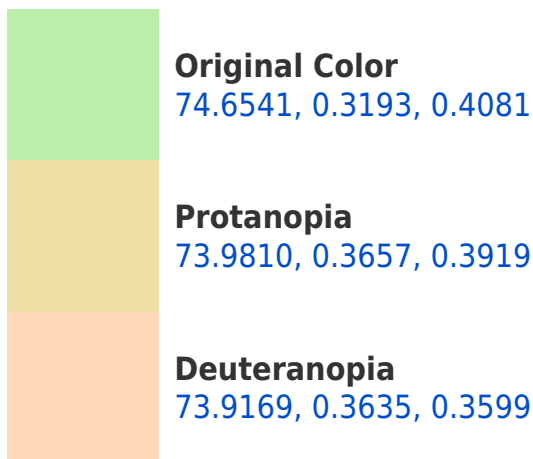


This preview shows how white text looks on a background with the Yxy color 74.6541, 0.3193, 0.4081.

# 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

74.2827, 0.2829, 0.3093

# Trichromacy



## Original Color

74.6541, 0.3193, 0.4081



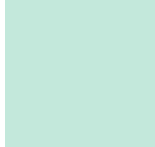
## Protanomaly

73.6490, 0.3478, 0.3969



## Deuteranomaly

73.4705, 0.3460, 0.3759



## Tritanomaly

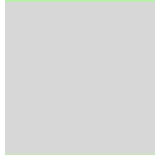
74.4298, 0.2962, 0.3437

# Monochromacy



## Original Color

74.6541, 0.3193, 0.4081



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.8780, 0.3157, 0.3565

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6541, 0.3193, 0.4081 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(187, 238, 171)` looks like.

```
.text, #text, p{  
    color:rgb(187, 238, 171)  
}
```

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(187, 238, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 238, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6541, 0.3193, 0.4081 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(187, 238, 171) }
```

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

```
.border{ border-color:rgb(187, 238, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 238, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 238, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 238, 171);  
box-shadow:4px 4px 4px 4px rgb(187, 238,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6541, 0.3193, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 238, 171) }
```

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

```
.background{ background-color: rgb(187,  
238, 171) }
```

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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