

# Converting Colors

$Yxy(76.1978, 0.3104, 0.3922)$

Have a look what the booklet for  
Yxy(76.1978, 0.3104, 0.3922)  
contains.

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# **Color**

**Yxy(76.4301, 0.3104, 0.3920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF0BA
RGB	187, 240, 186
RGB Percent	73%, 94%, 73%
CMY	0.2666, 0.0588, 0.2705
CMYK	0.22, 0.00, 0.22, 0.06
HSL	119°, 64%, 84%
HSV	119°, 22%, 94%
XYZ	60.5202, 76.4301, 58.0245
YIQ	217.9970, -14.2540, -28.0300

# Conversions

## Conversions Part 2

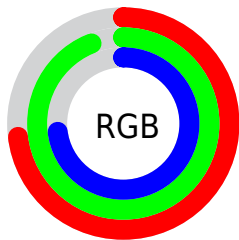
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 240, 239
Decimal	12316858
CIE <sub>Lab</sub>	90.06, -27.00, 20.71
CIE <sub>LCh</sub>	90, 34.025, 142.505
Y <sub>xy</sub>	76.4301, 0.3104, 0.3920
Android (android.graphics.Color)	4290506938 (0xFFBBF0BA)
YUV	217.9970, -15.7745, -27.1844
Hunter-Lab	87.4243, -29.4245, 21.8456

# Details

The Yxy color **76.4301, 0.3104, 0.3920** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.7665, 0.3146, 0.2729**, and the grayscale version is **70.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1639, 0.3134, 0.3417**, and **40.9610, 0.3090, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **72.7651, 0.3091, 0.4253**, and if you desaturate by 10%, it is **80.7603, 0.3115, 0.3618**.

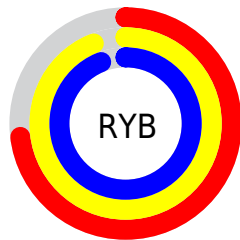
# Distribution



Red (73%)

Green (94%)

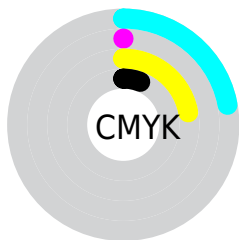
Blue (73%)



Red (73%)

Yellow (94%)

Blue (94%)

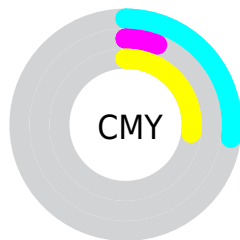


Cyan (22%)

Magenta (0%)

Yellow (22%)

Black (6%)



Cyan (27%)

Magenta (6%)


Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4301, 0.3104, 0.3920 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 76.4301, 0.3104, 0.3920 by changing the saturation by 10% instead.



 76.4301, 0.3104,  
0.3920

 76.4301, 0.3104,  
0.3920


482.8187, 0.3121,  
0.3619

 56.7853, 0.3099,  
0.3991


 128.3347, 0.3111,  
0.3814

 40.8329, 0.3091,  
0.4080


161.3632, 0.3113,  
0.3773

 28.1885, 0.3080,  
0.4194


199.6218, 0.3115,  
0.3738

 18.4678, 0.3063,  
0.4345

243.4948, 0.3117,  
0.3708

 11.2864, 0.3036,  
0.4557

293.3666, 0.3118,  
0.3682

 6.2598, 0.2986,  
0.4871


349.6216, 0.3119,


 3.0037, 0.2884,


0.3658


0.5379


412.6441, 0.3120,  
0.3638


 1.1337, 0.2605,  
0.7395

 0.0065, 0.0000,  
1.0000


 76.4301, 0.3104,  
0.3920


 76.4301, 0.3104,  
0.3920


 72.7651, 0.3091,  
0.4253


 80.7603, 0.3115,  
0.3618

 69.7233, 0.3076,  
0.4607

 85.7761, 0.3125,  
0.3351

 67.2730, 0.3060,  
0.4967

 90.8008, 0.3134,  
0.3146

 65.3756, 0.3044,  
0.5307

■ 63.9882, 0.3029,  
0.5599

■ 63.0616, 0.3016,  
0.5818

■ 62.5365, 0.3006,  
0.5949

■ 62.3495, 0.3003,  
0.5998

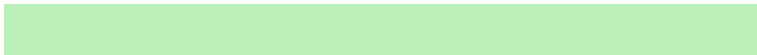
# Harmonies

## Analogous

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



76.4301, 0.3500, 0.4016



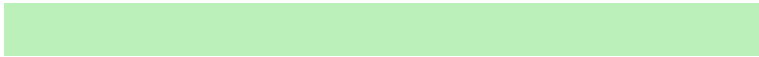
76.4301, 0.3104, 0.3920



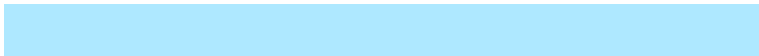
76.4301, 0.2730, 0.3614

# Triad

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



76.4301, 0.3104, 0.3920



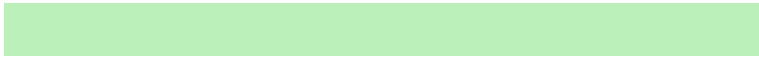
76.4301, 0.2473, 0.2679



76.4301, 0.3826, 0.3297

# Complementary

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



76.4301, 0.3104, 0.3920



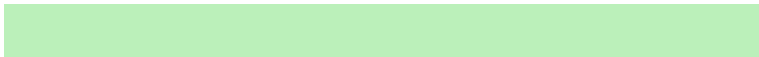
59.7665, 0.3146, 0.2729

# 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.



76.4301, 0.3516, 0.2988



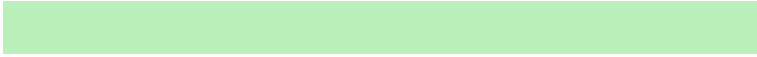
76.4301, 0.3104, 0.3920



76.4301, 0.2731, 0.2641

# Square

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



76.4301, 0.3104, 0.3920



76.4301, 0.2382, 0.2880



76.4301, 0.3109, 0.2754

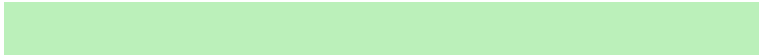


76.4301, 0.3933, 0.3623



# Rectangle

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



76.4301, 0.3104, 0.3920



76.4301, 0.2540, 0.3351



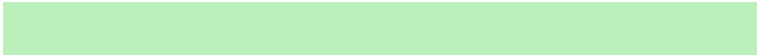
76.4301, 0.3109, 0.2754



76.4301, 0.3741, 0.3189

# Sweetspot

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



76.4333, 0.3104, 0.3920



95.7306, 0.3121, 0.3468



83.3378, 0.3471, 0.3834



20.4155, 0.3120, 0.3484



0.0000, 0.0000, 0.0000

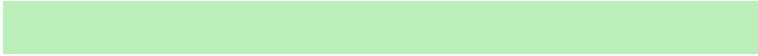


21.4041, 0.3127, 0.3290

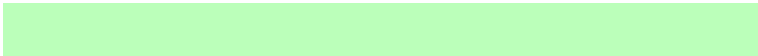


# Same Dimension

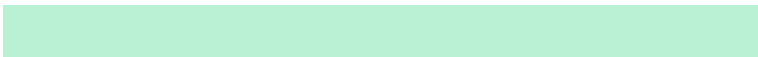
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4333, 0.3104, 0.3920



85.6900, 0.3098, 0.4070



77.4755, 0.2952, 0.3619



17.6703, 0.3118, 0.3534



34.1370, 0.3004, 0.5997



2.8448, 0.3015, 0.5988



# Inverse Universe

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



59.7665, 0.3146, 0.2729



63.4200, 0.3149, 0.2614



58.5461, 0.3349, 0.2983



16.0156, 0.3135, 0.3057



13.1712, 0.3163, 0.1516

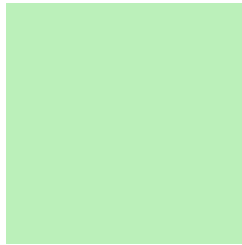


1.1005, 0.3170, 0.1520



# Previews

## White Background



This preview shows how the Yxy color 76.4301, 0.3104, 0.3920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

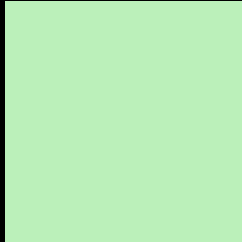
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4301, 0.3104, 0.3920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

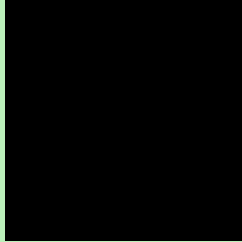
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

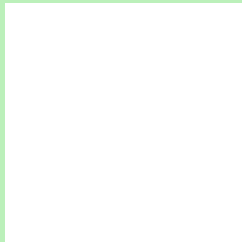
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4301, 0.3104, 0.3920**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4301, 0.3104, 0.3920.

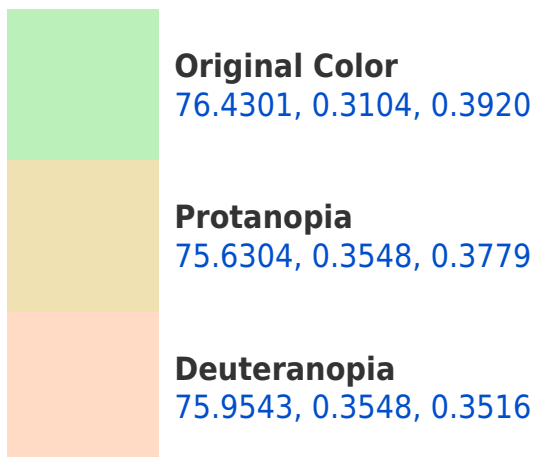


This preview shows how white text looks on a background with the Yxy color 76.4301, 0.3104, 0.3920.

# 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

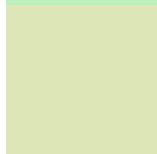
76.0597, 0.2802, 0.3084

## Trichromacy



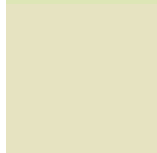
### Original Color

76.4301, 0.3104, 0.3920



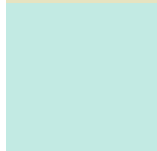
### Protanomaly

75.3432, 0.3375, 0.3821



### Deuteranomaly

75.6114, 0.3373, 0.3658



### Tritanomaly

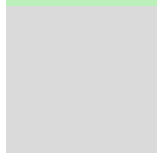
75.8610, 0.2909, 0.3368

## Monochromacy



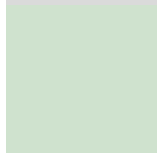
### Original Color

76.4301, 0.3104, 0.3920



### Achromatopsia

70.1102, 0.3127, 0.3290



### Achromatomaly

72.1143, 0.3124, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4301, 0.3104, 0.3920 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, 240, 186)` looks like.

```
.text, #text, p{  
    color:rgb(187, 240, 186)  
}
```

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, 240, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 240, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4301, 0.3104, 0.3920 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, 240, 186) }
```

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

```
.border{ border-color:rgb(187, 240, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 240, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 240, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 240, 186);  
box-shadow:4px 4px 4px 4px rgb(187, 240,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4301, 0.3104, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 240, 186) }
```

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

```
.background{ background-color: rgb(187,  
240, 186) }
```

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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