

# Converting Colors

$Yxy(70.3315, 0.3100, 0.3873)$

Have a look what the booklet for  
Yxy(70.3315, 0.3100, 0.3873)  
contains.

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# Color

**Yxy(70.4743, 0.3100, 0.3879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E7B6
RGB	182, 231, 182
RGB Percent	71%, 91%, 71%
CMY	0.2860, 0.0942, 0.2863
CMYK	0.21, 0.00, 0.21, 0.09
HSL	120°, 51%, 81%
HSV	120°, 21%, 91%
XYZ	56.3213, 70.4743, 54.8860
YIQ	210.7630, -13.4750, -25.6270

# Conversions

## Conversions Part 2

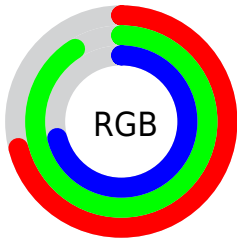
Format	Color
<b>RYB</b>	182, 231, 231
Decimal	11986870
CIELab	87.23, -24.99, 18.81
CIElCh	87, 31.275, 143.027
Yxy	70.4743, 0.3100, 0.3879
Android (android.graphics.Color)	4290176950 (0xFFB6E7B6)
YUV	210.7630, -14.1802, -25.2252
Hunter-Lab	83.9490, -27.1552, 20.0004

# Details

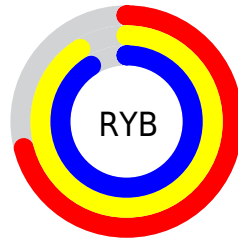
The Yxy color **70.4743, 0.3100, 0.3879** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.1982, 0.3151, 0.2764**, and the grayscale version is **65.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0438, 0.3125, 0.3459**, and **36.8341, 0.3084, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **67.0176, 0.3085, 0.4209**, and if you desaturate by 10%, it is **74.5571, 0.3114, 0.3582**.

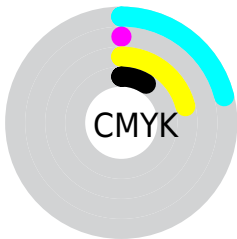
# Distribution



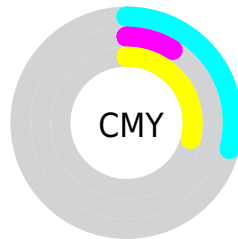
- Red (71%)
- Green (91%)
- Blue (71%)



- Red (71%)
- Yellow (91%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (9%)



- Cyan (29%)
- Magenta (9%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4743, 0.3100, 0.3879 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 70.4743, 0.3100, 0.3879 by changing the saturation by 10% instead.



■ 70.4743, 0.3100,  
0.3879

■ 70.4743, 0.3100,  
0.3879

462.2136, 0.3118,  
0.3594

■ 51.9133, 0.3094,  
0.3947

■ 119.8849, 0.3107,  
0.3778

■ 36.9360, 0.3087,  
0.4033

151.5033, 0.3110,  
0.3739

■ 25.1579, 0.3075,  
0.4144

188.2429, 0.3112,  
0.3706

■ 16.1948, 0.3058,  
0.4293

230.4882, 0.3114,  
0.3678

■ 9.6621, 0.3030,  
0.4505

278.6235, 0.3115,  
0.3653

■ 5.1755, 0.2978,  
0.4826


333.0332, 0.3116,

■ 2.3506, 0.2877,


0.3631


0.5380


394.1018, 0.3117,  
0.3612


 0.8003, 0.1585,  
0.8415


 0.0000, 0.0000,  
0.0000


 70.4743, 0.3100,  
0.3879


 70.4743, 0.3100,  
0.3879


 67.0176, 0.3085,  
0.4209


 74.5571, 0.3114,  
0.3582

 64.1476, 0.3068,  
0.4562

 79.2854, 0.3126,  
0.3319

 61.8345, 0.3051,  
0.4923

 84.6885, 0.3136,  
0.3092

 60.0423, 0.3035,  
0.5267

 85.6272, 0.3138,  
0.3058

■ 58.7304, 0.3021,  
0.5568

■ 57.8527, 0.3010,  
0.5797

■ 57.3539, 0.3003,  
0.5939

■ 57.1493, 0.3000,  
0.6000

# Harmonies

## Analogous

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



70.4743, 0.3475, 0.3975



70.4743, 0.3100, 0.3879



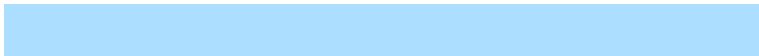
70.4743, 0.2746, 0.3590

# Triad

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



70.4743, 0.3100, 0.3879



70.4743, 0.2510, 0.2710



70.4743, 0.3790, 0.3304

# Complementary

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



70.4743, 0.3100, 0.3879



56.1982, 0.3151, 0.2764

# 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.



70.4743, 0.3501, 0.3009



70.4743, 0.3100, 0.3879



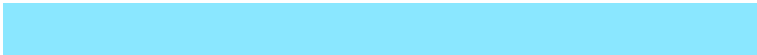
70.4743, 0.2758, 0.2675

# Square

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



70.4743, 0.3100, 0.3879



70.4743, 0.2420, 0.2899



70.4743, 0.3118, 0.2784



70.4743, 0.3888, 0.3613



# Rectangle

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



70.4743, 0.3100, 0.3879



70.4743, 0.2568, 0.3343



70.4743, 0.3118, 0.2784



70.4743, 0.3711, 0.3201

# Sweetspot

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



70.4773, 0.3100, 0.3879



96.2701, 0.3120, 0.3441



77.0558, 0.3448, 0.3810



20.5228, 0.3119, 0.3459



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

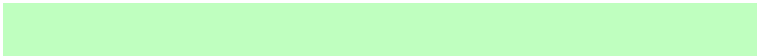


# Same Dimension

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



70.4773, 0.3100, 0.3879



86.4134, 0.3094, 0.4005



71.5320, 0.2957, 0.3588



16.0902, 0.3116, 0.3533



32.0418, 0.3000, 0.6000



2.3681, 0.3001, 0.5999



# Inverse Universe

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



56.1982, 0.3151, 0.2764



65.8332, 0.3156, 0.2666



54.9611, 0.3340, 0.3010



14.6141, 0.3138, 0.3058



12.7280, 0.3206, 0.1540

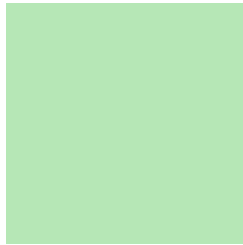


0.9409, 0.3206, 0.1540



# Previews

## White Background



This preview shows how the Yxy color 70.4743, 0.3100, 0.3879 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 70.4743, 0.3100, 0.3879 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 70.4743, 0.3100, 0.3879**

## Background



This preview shows how black text looks on a background with the Yxy color 70.4743, 0.3100, 0.3879.

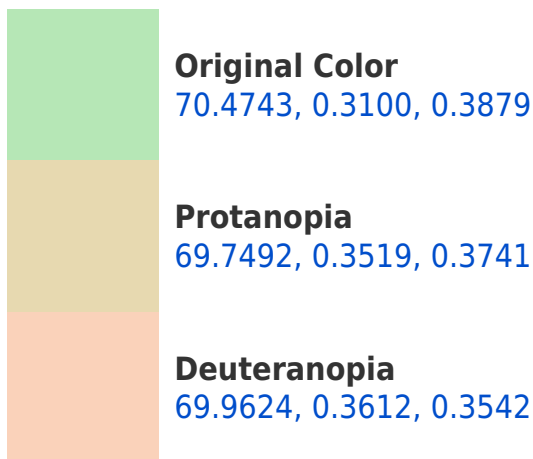


This preview shows how white text looks on a background with the Yxy color 70.4743, 0.3100, 0.3879.

# 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

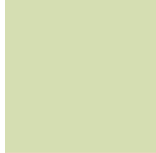
70.3327, 0.2810, 0.3088

# Trichromacy



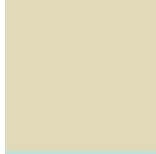
## Original Color

70.4743, 0.3100, 0.3879



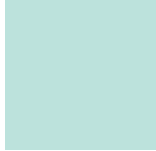
## Protanomaly

69.6030, 0.3357, 0.3793



## Deuteranomaly

69.6531, 0.3407, 0.3657



## Tritanomaly

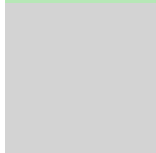
70.2514, 0.2909, 0.3359

# Monochromacy



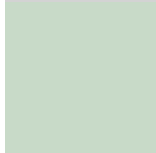
## Original Color

70.4743, 0.3100, 0.3879



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

66.5923, 0.3117, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4743, 0.3100, 0.3879 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(182, 231, 182)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 182)  
}
```

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(182, 231, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4743, 0.3100, 0.3879 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(182, 231, 182) }
```

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

```
.border{ border-color:rgb(182, 231, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 231, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 231, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 231, 182); box-shadow:4px 4px 4px 4px rgb(182, 231, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4743, 0.3100, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 231, 182) }
```

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

```
.background{ background-color: rgb(182,  
231, 182) }
```

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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