

# Converting Colors

$Yxy(70.5719, 0.3201, 0.3870)$

Have a look what the booklet for  
Yxy(70.5719, 0.3201, 0.3870)  
contains.

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# Color

**Yxy(70.7626, 0.3202, 0.3880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E5B3
RGB	194, 229, 179
RGB Percent	76%, 90%, 70%
CMY	0.2393, 0.1019, 0.2981
CMYK	0.15, 0.00, 0.22, 0.10
HSL	102°, 49%, 80%
HSV	102°, 22%, 90%
XYZ	58.3974, 70.7626, 53.2179
YIQ	212.8350, -4.8100, -22.9700

# Conversions

## Conversions Part 2

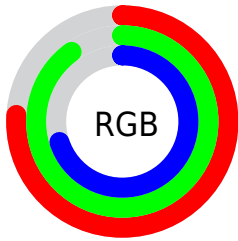
Format	Color
<b>RYB</b>	179, 229, 214
Decimal	12772787
CIELab	87.37, -20.49, 20.68
CIELCh	87, 29.116, 134.739
Yxy	70.7626, 0.3202, 0.3880
Android (android.graphics.Color)	4290962867 (0xFFC2E5B3)
YUV	212.8350, -16.6807, -16.5183
Hunter-Lab	84.1205, -23.2942, 21.3752

# Details

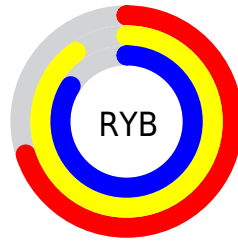
The Yxy color **70.7626, 0.3202, 0.3880** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.1901, 0.3031, 0.2728**, and the grayscale version is **66.5373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0274, 0.3218, 0.3485**, and **36.9689, 0.3216, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **67.9062, 0.3231, 0.4189**, and if you desaturate by 10%, it is **74.0081, 0.3169, 0.3594**.

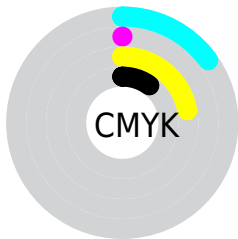
# Distribution



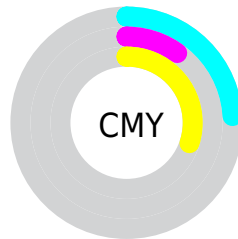
- Red (76%)
- Green (90%)
- Blue (70%)



- Red (70%)
- Yellow (90%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)




- Cyan (24%)
- Magenta (10%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7626, 0.3202, 0.3880 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 70.7626, 0.3202, 0.3880 by changing the saturation by 10% instead.




 70.7626, 0.3202,  
0.3880

 70.7626, 0.3202,  
0.3880


463.2231, 0.3172,  
0.3596

 52.1485, 0.3207,  
0.3947


 120.2956, 0.3193,  
0.3779

 37.1234, 0.3213,  
0.4032


151.9833, 0.3189,  
0.3741

 25.3031, 0.3219,  
0.4141


188.7977, 0.3185,  
0.3708

 16.3030, 0.3225,  
0.4288

231.1231, 0.3182,  
0.3680

 9.7388, 0.3228,  
0.4493

279.3440, 0.3179,  
0.3655

 5.2261, 0.3221,  
0.4801

333.8447, 0.3177,

 2.3805, 0.3202,

0.3633

0.5343

395.0096, 0.3174,  
0.3614

0.8159, 0.2522,  
0.7478

0.0000, 0.0000,  
0.0000

70.7626, 0.3202,  
0.3880

70.7626, 0.3202,  
0.3880

67.9062, 0.3231,  
0.4189

74.0081, 0.3169,  
0.3594

65.4148, 0.3253,  
0.4513

77.6474, 0.3134,  
0.3335

63.2756, 0.3264,  
0.4839

81.6968, 0.3098,  
0.3103

61.4716, 0.3263,  
0.5152

84.5258, 0.3139,  
0.3039

■ 59.9841, 0.3247,  
0.5430

■ 58.7923, 0.3217,  
0.5655

■ 57.8723, 0.3173,  
0.5812

■ 57.2974, 0.3133,  
0.5895

# Harmonies

## Analogous

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



70.7626, 0.3539, 0.3916



70.7626, 0.3202, 0.3880



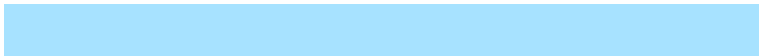
70.7626, 0.2857, 0.3655

# Triad

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



70.7626, 0.3202, 0.3880



70.7626, 0.2512, 0.2785



70.7626, 0.3684, 0.3225

# Complementary

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



70.7626, 0.3202, 0.3880



52.1901, 0.3031, 0.2728

# 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.



70.7626, 0.3381, 0.2961



70.7626, 0.3202, 0.3880



70.7626, 0.2707, 0.2710

# Square

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



70.7626, 0.3202, 0.3880



70.7626, 0.2472, 0.3000



70.7626, 0.3020, 0.2777



70.7626, 0.3830, 0.3516



# Rectangle

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



70.7626, 0.3202, 0.3880



70.7626, 0.2669, 0.3436



70.7626, 0.3020, 0.2777



70.7626, 0.3596, 0.3131

# Sweetspot

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



70.7656, 0.3202, 0.3880



96.6088, 0.3152, 0.3466



68.0091, 0.3489, 0.3679



20.6183, 0.3154, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

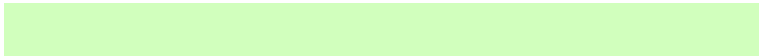


# Same Dimension

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



70.7656, 0.3202, 0.3880



88.6734, 0.3215, 0.4011



69.3009, 0.3038, 0.3773



16.2974, 0.3161, 0.3530



32.8103, 0.3142, 0.5887



2.4716, 0.3251, 0.5800



# Inverse Universe

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



52.1901, 0.3031, 0.2728



61.1710, 0.3008, 0.2610



54.0079, 0.3232, 0.2851



14.3871, 0.3090, 0.3055



7.5953, 0.2465, 0.1132

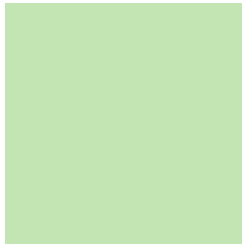


0.6090, 0.2577, 0.1193



# Previews

## White Background



This preview shows how the Yxy color 70.7626, 0.3202, 0.3880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

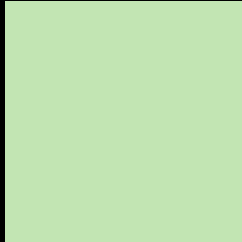
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7626, 0.3202, 0.3880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

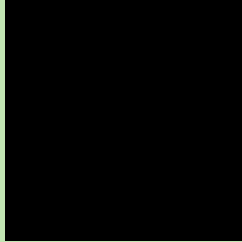
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

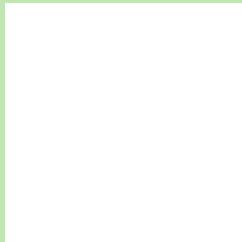
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7626, 0.3202, 0.3880**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7626, 0.3202, 0.3880.

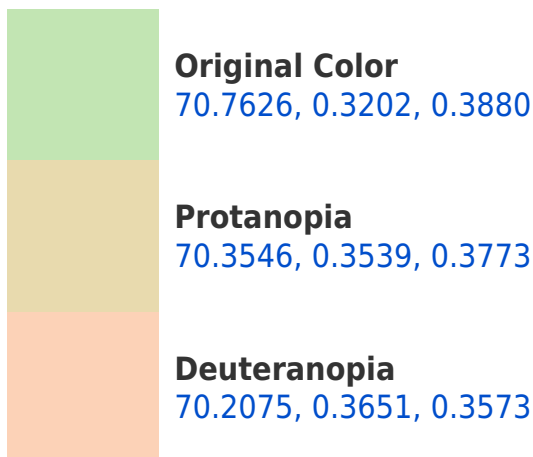


This preview shows how white text looks on a background with the Yxy color 70.7626, 0.3202, 0.3880.

# 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

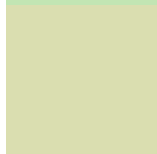
70.6414, 0.2891, 0.3091

# Trichromacy



## Original Color

70.7626, 0.3202, 0.3880



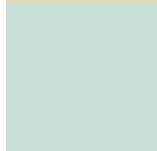
## Protanomaly

70.2826, 0.3408, 0.3810



## Deuteranomaly

69.9920, 0.3476, 0.3675



## Tritanomaly

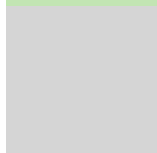
70.6004, 0.3006, 0.3369

# Monochromacy



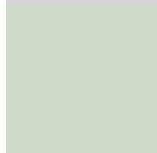
## Original Color

70.7626, 0.3202, 0.3880



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.0019, 0.3153, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7626, 0.3202, 0.3880 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(194, 229, 179)` looks like.

```
.text, #text, p{  
    color:rgb(194, 229, 179)  
}
```

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(194, 229, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 229, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7626, 0.3202, 0.3880 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(194, 229, 179) }
```

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

```
.border{ border-color:rgb(194, 229, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 229, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 229, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 229, 179); box-shadow:4px 4px 4px 4px rgb(194, 229, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7626, 0.3202, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 229, 179) }
```

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

```
.background{ background-color: rgb(194,  
229, 179) }
```

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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