

# Converting Colors

$Yxy(70.8122, 0.3019, 0.3702)$

Have a look what the booklet for  
Yxy(70.8122, 0.3019, 0.3702)  
contains.

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# Color

**Yxy(70.5242, 0.3015, 0.3695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E6C4
RGB	182, 230, 196
RGB Percent	71%, 90%, 77%
CMY	0.2864, 0.0980, 0.2314
CMYK	0.21, 0.00, 0.15, 0.10
HSL	138°, 49%, 81%
HSV	138°, 21%, 90%
XYZ	57.5455, 70.5242, 62.7942
YIQ	211.7720, -17.6940, -20.7500

# Conversions

## Conversions Part 2

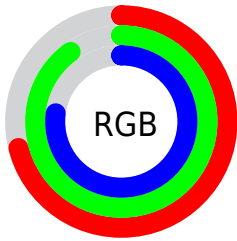
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 219, 230
Decimal	11986628
CIELab	87.25, -22.07, 11.55
CIELCh	87, 24.908, 152.380
Yxy	70.5242, 0.3015, 0.3695
Android (android.graphics.Color)	4290176708 (0xFFB6E6C4)
YUV	211.7720, -7.7756, -26.1100
Hunter-Lab	83.9787, -24.6476, 14.4516

# Details

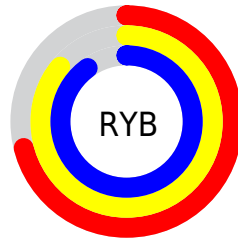
The Yxy color **70.5242, 0.3015, 0.3695** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.2277, 0.3261, 0.2917**, and the grayscale version is **65.7379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7890, 0.3034, 0.3309**, and **36.8143, 0.2984, 0.3799** is the 20% darker color. If you saturate the color by 10%, you get **67.2514, 0.2964, 0.3924**, and if you desaturate by 10%, it is **74.3435, 0.3068, 0.3489**.

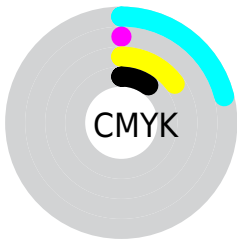
# Distribution



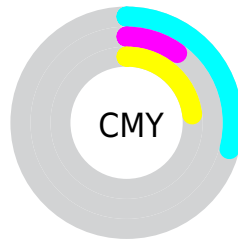
- Red (71%)
- Green (90%)
- Blue (77%)



- Red (71%)
- Yellow (86%)
- Blue (90%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)




- Cyan (29%)
- Magenta (10%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5242, 0.3015, 0.3695 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 70.5242, 0.3015, 0.3695 by changing the saturation by 10% instead.



 70.5242, 0.3015,  
0.3695

 70.5242, 0.3015,  
0.3695


462.3884, 0.3070,  
0.3501

 51.9540, 0.3002,  
0.3741


 119.9560, 0.3035,  
0.3626

 36.9684, 0.2985,  
0.3799


151.5864, 0.3042,  
0.3600

 25.1830, 0.2963,  
0.3874


188.3390, 0.3049,  
0.3577

 16.2135, 0.2932,  
0.3974

230.5981, 0.3054,  
0.3558

 9.6753, 0.2889,  
0.4116

278.7482, 0.3059,  
0.3541

 5.1842, 0.2821,  
0.4332


333.1737, 0.3063,

 2.3558, 0.2702,


0.3526


0.4695


394.2590, 0.3067,  
0.3513


 0.8030, 0.2051,  
0.7337


 0.0000, 0.0000,  
0.0000

 70.5242, 0.3015,  
0.3695


 70.5242, 0.3015,  
0.3695


 67.2514, 0.2964,  
0.3924


 74.3435, 0.3068,  
0.3489


 64.4910, 0.2919,  
0.4174

 78.7236, 0.3122,  
0.3305

 62.2192, 0.2882,  
0.4440

 83.6895, 0.3176,  
0.3144

 60.4063, 0.2856,  
0.4714

 85.0805, 0.3138,  
0.3049

■ 59.0195, 0.2845,  
0.4985

■ 58.0215, 0.2850,  
0.5240

■ 57.3679, 0.2871,  
0.5466

■ 57.0069, 0.2900,  
0.5638

# Harmonies

## Analogous

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



70.5242, 0.3319, 0.3825



70.5242, 0.3015, 0.3695



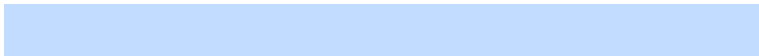
70.5242, 0.2751, 0.3439

# Triad

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



70.5242, 0.3015, 0.3695



70.5242, 0.2681, 0.2802



70.5242, 0.3696, 0.3386

# Complementary

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



70.5242, 0.3015, 0.3695



55.2277, 0.3261, 0.2917

# 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.



70.5242, 0.3509, 0.3136



70.5242, 0.3015, 0.3695



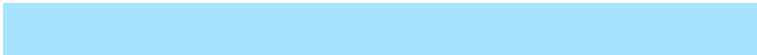
70.5242, 0.2917, 0.2808

# Square

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



70.5242, 0.3015, 0.3695



70.5242, 0.2565, 0.2920



70.5242, 0.3219, 0.2929



70.5242, 0.3721, 0.3625



# Rectangle

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



70.5242, 0.3015, 0.3695



70.5242, 0.2629, 0.3244



70.5242, 0.3219, 0.2929



70.5242, 0.3650, 0.3301

# Sweetspot

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



70.5272, 0.3015, 0.3695



96.5343, 0.3095, 0.3397



74.6369, 0.3342, 0.3827



20.5850, 0.3091, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

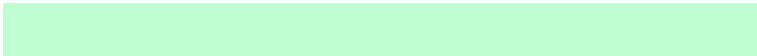


# Same Dimension

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



70.5272, 0.3015, 0.3695



87.2742, 0.2993, 0.3790



71.6887, 0.2876, 0.3410



16.1580, 0.3076, 0.3461



32.2887, 0.2892, 0.5611



2.4018, 0.2811, 0.5320



# Inverse Universe

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



55.2277, 0.3261, 0.2917



64.7104, 0.3294, 0.2838



54.0925, 0.3457, 0.3174



14.5398, 0.3182, 0.3125



11.0418, 0.4112, 0.2039

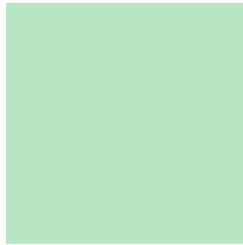


0.8319, 0.3949, 0.1949



# Previews

## White Background



This preview shows how the Yxy color 70.5242, 0.3015, 0.3695 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

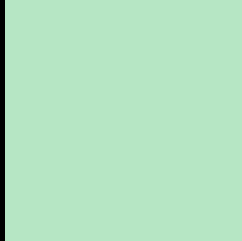
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.5242, 0.3015, 0.3695 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

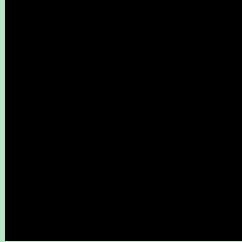
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

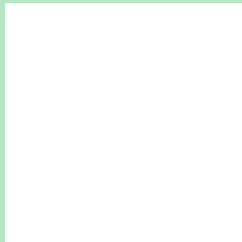
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.5242, 0.3015, 0.3695**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.5242, 0.3015, 0.3695.

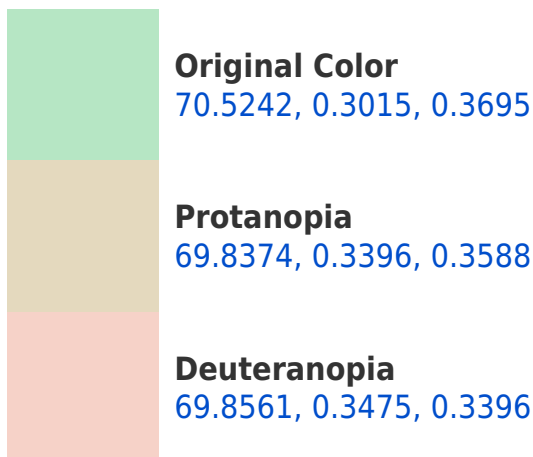


This preview shows how white text looks on a background with the Yxy color 70.5242, 0.3015, 0.3695.

# 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

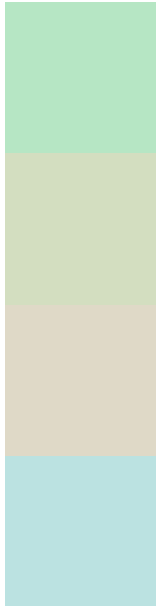




## Tritanopia

70.6093, 0.2799, 0.3099

# Trichromacy



**Original Color**

70.5242, 0.3015, 0.3695

**Protanomaly**

69.8972, 0.3247, 0.3632

**Deuteranomaly**

69.4372, 0.3295, 0.3490

**Tritanomaly**

70.3938, 0.2873, 0.3301

# Monochromacy



**Original Color**

70.5242, 0.3015, 0.3695

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

67.5368, 0.3085, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.5242, 0.3015, 0.3695 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, 230, 196)` looks like.

```
.text, #text, p{  
    color:rgb(182, 230, 196)  
}
```

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, 230, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 230, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 70.5242, 0.3015, 0.3695 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, 230, 196) }
```

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

```
.border{ border-color:rgb(182, 230, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 230, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 230, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 230, 196);  
box-shadow:4px 4px 4px 4px rgb(182, 230,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.5242, 0.3015, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 230, 196) }
```

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

```
.background{ background-color: rgb(182,  
230, 196) }
```

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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