

# Converting Colors

$Yxy(70.3468, 0.3064, 0.3910)$

Have a look what the booklet for  
Yxy(70.3468, 0.3064, 0.3910)  
contains.

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# Color

**Yxy(70.2795, 0.3065, 0.3910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E8B5
RGB	176, 232, 181
RGB Percent	69%, 91%, 71%
CMY	0.3100, 0.0901, 0.2902
CMYK	0.24, 0.00, 0.22, 0.09
HSL	125°, 55%, 80%
HSV	125°, 24%, 91%
XYZ	55.0912, 70.2795, 54.3722
YIQ	209.4420, -17.0050, -27.7330

# Conversions

## Conversions Part 2

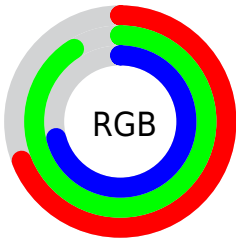
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 227, 232
Decimal	11593909
CIELab	87.13, -27.66, 19.14
CIElCh	87, 33.635, 145.308
Yxy	70.2795, 0.3065, 0.3910
Android (android.graphics.Color)	4289783989 (0xFFB0E8B5)
YUV	209.4420, -14.0219, -29.3286
Hunter-Lab	83.8329, -29.4053, 20.2288

# Details

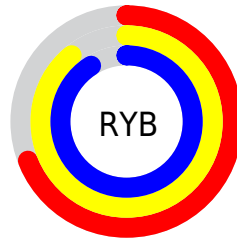
The Yxy color **70.2795, 0.3065, 0.3910** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.7320, 0.3195, 0.2740**, and the grayscale version is **64.1602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7902, 0.3088, 0.3471**, and **36.7468, 0.3041, 0.4071** is the 20% darker color. If you saturate the color by 10%, you get **67.0041, 0.3039, 0.4217**, and if you desaturate by 10%, it is **74.1544, 0.3091, 0.3631**.

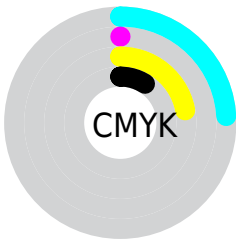
# Distribution



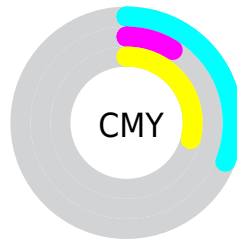
- Red (69%)
- Green (91%)
- Blue (71%)



- Red (69%)
- Yellow (89%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2795, 0.3065, 0.3910 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 70.2795, 0.3065, 0.3910 by changing the saturation by 10% instead.




 70.2795, 0.3065,  
0.3910

 70.2795, 0.3065,  
0.3910


461.5308, 0.3100,  
0.3609

 51.7544, 0.3055,  
0.3982


 119.6073, 0.3078,  
0.3803

 36.8094, 0.3042,  
0.4073


151.1787, 0.3083,  
0.3762

 25.0599, 0.3024,  
0.4191


187.8678, 0.3087,  
0.3727

 16.1217, 0.2998,  
0.4350

230.0588, 0.3091,  
0.3697

 9.6103, 0.2957,  
0.4577

278.1363, 0.3094,  
0.3671

 5.1414, 0.2885,  
0.4921

332.4845, 0.3096,

 2.3304, 0.2753,

0.3648

0.5524

393.4878, 0.3098,  
0.3628

0.7898, 0.0873,  
0.9127

0.0000, 0.0000,  
0.0000

70.2795, 0.3065,  
0.3910

70.2795, 0.3065,  
0.3910

67.0041, 0.3039,  
0.4217

74.1544, 0.3091,  
0.3631

64.2898, 0.3015,  
0.4546

78.6471, 0.3117,  
0.3384

62.1077, 0.2995,  
0.4882

83.7863, 0.3141,  
0.3167

60.4227, 0.2980,  
0.5207

86.2030, 0.3138,  
0.3068

■ 59.1955, 0.2972,  
0.5498

■ 58.3807, 0.2973,  
0.5731

■ 57.9236, 0.2981,  
0.5891

■ 57.7767, 0.2986,  
0.5950

# Harmonies

## Analogous

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



70.2795, 0.3470, 0.4030



70.2795, 0.3065, 0.3910



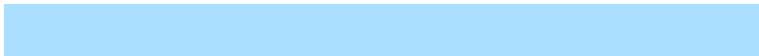
70.2795, 0.2692, 0.3584

# Triad

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



70.2795, 0.3065, 0.3910



70.2795, 0.2481, 0.2659



70.2795, 0.3858, 0.3328

# Complementary

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



70.2795, 0.3065, 0.3910



53.7320, 0.3195, 0.2740

# 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.



70.2795, 0.3558, 0.3010



70.2795, 0.3065, 0.3910



70.2795, 0.2756, 0.2636

# Square

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



70.2795, 0.3065, 0.3910



70.2795, 0.2371, 0.2847



70.2795, 0.3148, 0.2763



70.2795, 0.3945, 0.3657



# Rectangle

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



70.2795, 0.3065, 0.3910



70.2795, 0.2509, 0.3314



70.2795, 0.3148, 0.2763



70.2795, 0.3778, 0.3218

# Sweetspot

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



70.2825, 0.3065, 0.3910



95.7680, 0.3110, 0.3452



77.2423, 0.3457, 0.3900



20.4241, 0.3108, 0.3466



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

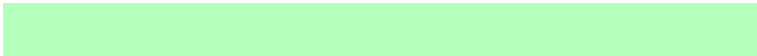


# Same Dimension

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



70.2825, 0.3065, 0.3910



84.9680, 0.3052, 0.4060



71.5329, 0.2902, 0.3566



16.1101, 0.3103, 0.3511



32.0777, 0.2983, 0.5937



2.3777, 0.2939, 0.5780



# Inverse Universe

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



53.7320, 0.3195, 0.2740



61.1267, 0.3211, 0.2625



52.3255, 0.3425, 0.3030



14.5917, 0.3152, 0.3079



12.1483, 0.3449, 0.1673

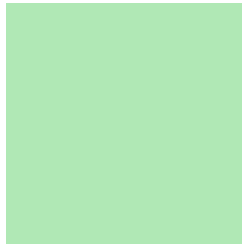


0.9043, 0.3410, 0.1652



# Previews

## White Background



This preview shows how the Yxy color 70.2795, 0.3065, 0.3910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

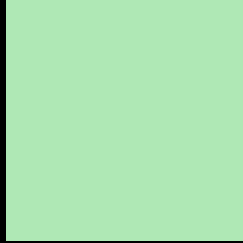
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2795, 0.3065, 0.3910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

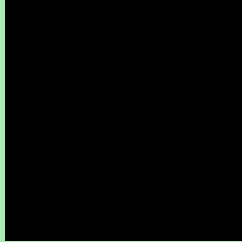
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

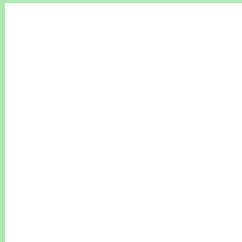
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2795, 0.3065, 0.3910**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2795, 0.3065, 0.3910.

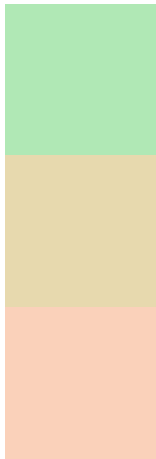


This preview shows how white text looks on a background with the Yxy color 70.2795, 0.3065, 0.3910.

# 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



**Original Color**

70.2795, 0.3065, 0.3910

**Protanopia**

69.6706, 0.3533, 0.3763

**Deuteranopia**

69.4701, 0.3614, 0.3532



## Tritanopia

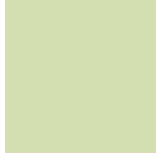
70.2869, 0.2774, 0.3087

# Trichromacy



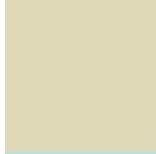
## Original Color

70.2795, 0.3065, 0.3910



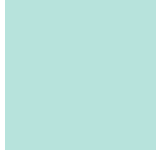
## Protanomaly

69.2658, 0.3348, 0.3807



## Deuteranomaly

68.7744, 0.3400, 0.3660



## Tritanomaly

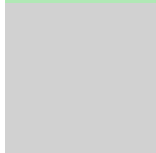
70.1728, 0.2878, 0.3371

# Monochromacy



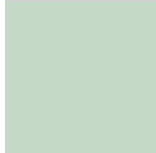
## Original Color

70.2795, 0.3065, 0.3910



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

65.6195, 0.3103, 0.3502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2795, 0.3065, 0.3910 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(176, 232, 181)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 181)  
}
```

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(176, 232, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2795, 0.3065, 0.3910 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(176, 232, 181) }
```

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

```
.border{ border-color:rgb(176, 232, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 232, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 181);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2795, 0.3065, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 181) }
```

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

```
.background{ background-color: rgb(176,  
232, 181) }
```

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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