

# Converting Colors

$Yxy(70.4087, 0.3110, 0.3840)$

Have a look what the booklet for  
Yxy(70.4087, 0.3110, 0.3840)  
contains.

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# Color

**Yxy(70.3686, 0.3108, 0.3840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9E6B8
RGB	185, 230, 184
RGB Percent	73%, 90%, 72%
CMY	0.2745, 0.0980, 0.2784
CMYK	0.20, 0.00, 0.20, 0.10
HSL	119°, 48%, 81%
HSV	119°, 20%, 90%
XYZ	56.9546, 70.3686, 55.9284
YIQ	211.3010, -12.0540, -23.8460

# Conversions

## Conversions Part 2

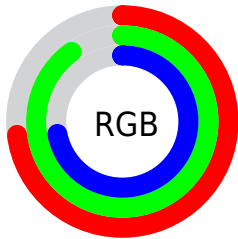
Format	Color
<a href="#">RYB</a>	<a href="#">184, 230, 229</a>
Decimal	<a href="#">12183224</a>
CIELab	<a href="#">87.18, -23.20, 17.72</a>
CIELCh	<a href="#">87, 29.189, 142.622</a>
Yxy	<a href="#">70.3686, 0.3108, 0.3840</a>
Android (android.graphics.Color)	<a href="#">4290373304 (0xFFB9E6B8)</a>
YUV	<a href="#">211.3010, -13.4594, -23.0660</a>
Hunter-Lab	<a href="#">83.8860, -25.6075, 19.1904</a>

# Details

The Yxy color **70.3686, 0.3108, 0.3840** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.6564, 0.3142, 0.2793**, and the grayscale version is **65.4481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6885, 0.3133, 0.3438**, and **36.7361, 0.3095, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **66.9032, 0.3096, 0.4165**, and if you desaturate by 10%, it is **74.4399, 0.3118, 0.3548**.

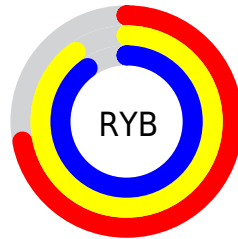
# Distribution



Red (73%)

Green (90%)

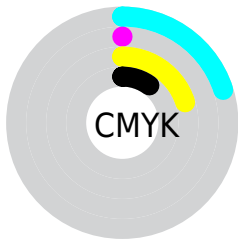
Blue (72%)



Red (72%)

Yellow (90%)

Blue (90%)

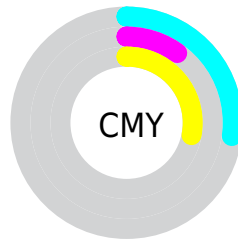


Cyan (20%)

Magenta (0%)

Yellow (20%)

Black (10%)



Cyan (27%)

Magenta (10%)


Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3686, 0.3108, 0.3840 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 70.3686, 0.3108, 0.3840 by changing the saturation by 10% instead.



 70.3686, 0.3108,  
0.3840

 70.3686, 0.3108,  
0.3840


461.8432, 0.3122,  
0.3575

 51.8271, 0.3104,  
0.3903


 119.7343, 0.3114,  
0.3746

 36.8673, 0.3097,  
0.3983


151.3272, 0.3116,  
0.3710

 25.1047, 0.3088,  
0.4086


188.0394, 0.3117,  
0.3679

 16.1551, 0.3074,  
0.4225

230.2552, 0.3118,  
0.3653

 9.6340, 0.3051,  
0.4421

278.3592, 0.3119,  
0.3629

 5.1570, 0.3008,  
0.4719


332.7355, 0.3120,

 2.3396, 0.2920,


0.3609


0.5223


393.7687, 0.3121,  
0.3591


 0.7946, 0.1921,  
0.8079


 0.0000, 0.0000,  
0.0000


 70.3686, 0.3108,  
0.3840


 70.3686, 0.3108,  
0.3840


 66.9032, 0.3096,  
0.4165


 74.4399, 0.3118,  
0.3548

 64.0063, 0.3082,  
0.4514

 79.1345, 0.3127,  
0.3290

 61.6502, 0.3066,  
0.4873

 84.4803, 0.3134,  
0.3066

 59.8014, 0.3050,  
0.5219

 85.0775, 0.3138,  
0.3049

■ 58.4227, 0.3034,  
0.5526

■ 57.4717, 0.3021,  
0.5766

■ 56.8985, 0.3010,  
0.5922

■ 56.6294, 0.3003,  
0.5997

# Harmonies

## Analogous

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



70.3686, 0.3458, 0.3928



70.3686, 0.3108, 0.3840



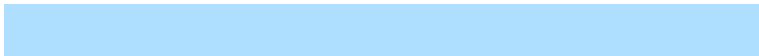
70.3686, 0.2776, 0.3574

# Triad

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



70.3686, 0.3108, 0.3840



70.3686, 0.2547, 0.2749



70.3686, 0.3743, 0.3301

# Complementary

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



70.3686, 0.3108, 0.3840



56.6564, 0.3142, 0.2793

# 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.



70.3686, 0.3472, 0.3023



70.3686, 0.3108, 0.3840



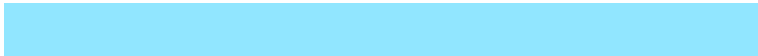
70.3686, 0.2778, 0.2713

# Square

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



70.3686, 0.3108, 0.3840



70.3686, 0.2464, 0.2929



70.3686, 0.3114, 0.2813



70.3686, 0.3838, 0.3591



# Rectangle

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



70.3686, 0.3108, 0.3840



70.3686, 0.2607, 0.3345



70.3686, 0.3114, 0.2813



70.3686, 0.3669, 0.3204

# Sweetspot

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



70.3716, 0.3108, 0.3840



96.3238, 0.3122, 0.3441



76.0326, 0.3431, 0.3772



20.5354, 0.3122, 0.3459



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

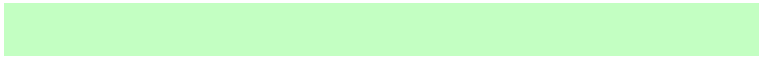


# Same Dimension

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



70.3716, 0.3108, 0.3840



87.0237, 0.3103, 0.3971



71.2187, 0.2971, 0.3578



16.1039, 0.3119, 0.3533



32.0649, 0.3005, 0.5996



2.3747, 0.3018, 0.5985



# Inverse Universe

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



56.6564, 0.3142, 0.2793



66.7257, 0.3145, 0.2689



55.6868, 0.3319, 0.3019



14.5986, 0.3135, 0.3058



12.3091, 0.3156, 0.1512

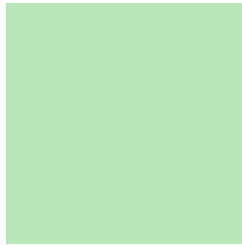


0.9147, 0.3164, 0.1517



# Previews

## White Background



This preview shows how the Yxy color 70.3686, 0.3108, 0.3840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

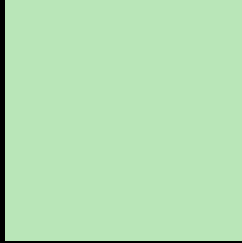
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3686, 0.3108, 0.3840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

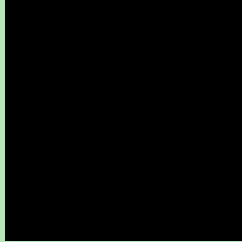
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

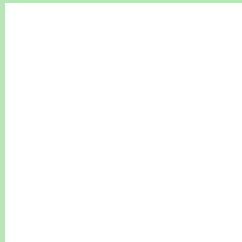
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.3686, 0.3108, 0.3840**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3686, 0.3108, 0.3840.

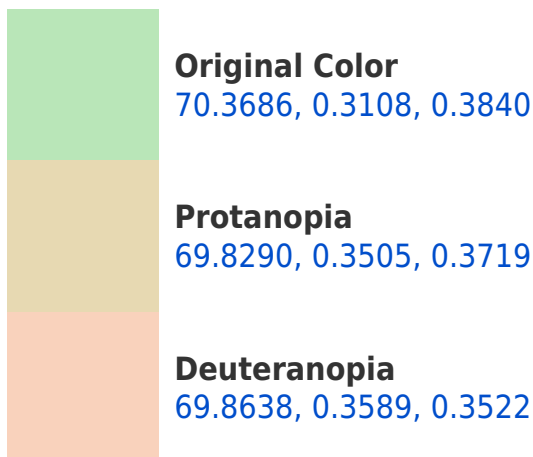


This preview shows how white text looks on a background with the Yxy color 70.3686, 0.3108, 0.3840.

# 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

70.1359, 0.2834, 0.3089

# Trichromacy



**Original Color**

70.3686, 0.3108, 0.3840

**Protanomaly**

69.8340, 0.3351, 0.3768

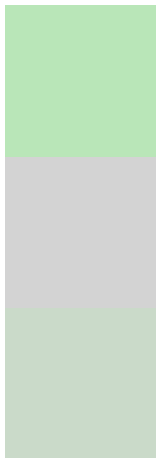
**Deuteranomaly**

69.3823, 0.3402, 0.3623

**Tritanomaly**

70.0941, 0.2928, 0.3347

# Monochromacy



**Original Color**

70.3686, 0.3108, 0.3840

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.9164, 0.3125, 0.3487

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3686, 0.3108, 0.3840 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(185, 230, 184)` looks like.

```
.text, #text, p{  
    color:rgb(185, 230, 184)  
}
```

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(185, 230, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3686, 0.3108, 0.3840 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(185, 230, 184) }
```

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

```
.border{ border-color:rgb(185, 230, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 230, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 184);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3686, 0.3108, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 230, 184) }
```

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

```
.background{ background-color: rgb(185,  
230, 184) }
```

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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