

# Converting Colors

$Yxy(70.7383, 0.3004, 0.3782)$

Have a look what the booklet for  
Yxy(70.7383, 0.3004, 0.3782)  
contains.

<b>Yxy(70.7049, 0.3006, 0.3784)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.7049, 0.3006, 0.3784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E8BF
RGB	176, 232, 191
RGB Percent	69%, 91%, 75%
CMY	0.3097, 0.0902, 0.2510
CMYK	0.24, 0.00, 0.18, 0.09
HSL	136°, 55%, 80%
HSV	136°, 24%, 91%
XYZ	56.1678, 70.7049, 59.9796
YIQ	210.5820, -20.2150, -24.6230

# Conversions

## Conversions Part 2

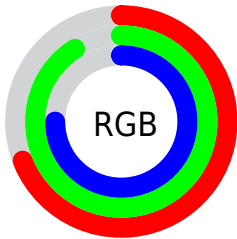
Format	Color
<a href="#">RYB</a>	<a href="#">176, 220, 232</a>
Decimal	<a href="#">11593919</a>
CIELab	<a href="#">87.34, -25.85, 14.23</a>
CIELCh	<a href="#">87, 29.508, 151.179</a>
Yxy	<a href="#">70.7049, 0.3006, 0.3784</a>
Android (android.graphics.Color)	<a href="#">4289783999 (0xFFB0E8BF)</a>
YUV	<a href="#">210.5820, -9.6539, -30.3284</a>
Hunter-Lab	<a href="#">84.0862, -27.9167, 16.5682</a>

# Details

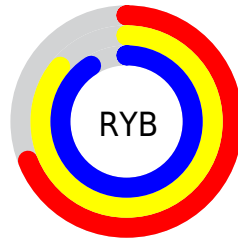
The Yxy color **70.7049, 0.3006, 0.3784** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.2232, 0.3275, 0.2842**, and the grayscale version is **64.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3912, 0.3032, 0.3369**, and **37.0232, 0.2966, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **67.5251, 0.2959, 0.4029**, and if you desaturate by 10%, it is **74.4395, 0.3056, 0.3562**.

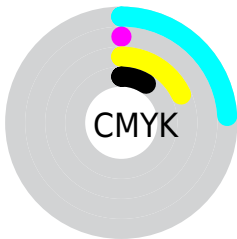
# Distribution



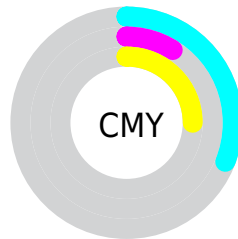
- Red (69%)
- Green (91%)
- Blue (75%)



- Red (69%)
- Yellow (86%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7049, 0.3006, 0.3784 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 70.7049, 0.3006, 0.3784 by changing the saturation by 10% instead.




 70.7049, 0.3006,  
0.3784

 70.7049, 0.3006,  
0.3784

463.0212, 0.3066,  
0.3546

 52.1014, 0.2991,  
0.3841


 120.2134, 0.3028,  
0.3700

 37.0859, 0.2972,  
0.3912


151.8873, 0.3036,  
0.3667

 25.2740, 0.2947,  
0.4005


188.6867, 0.3043,  
0.3640

 16.2813, 0.2912,  
0.4130

230.9961, 0.3049,  
0.3616

 9.7234, 0.2862,  
0.4306

279.1998, 0.3054,  
0.3595

 5.2160, 0.2781,  
0.4575

333.6823, 0.3059,

 2.3745, 0.2637,

0.3577

394.8280, 0.3063,  
0.3561

0.5029

0.8127, 0.1482,  
0.8518

0.0000, 0.0000,  
0.0000

70.7049, 0.3006,  
0.3784

70.7049, 0.3006,  
0.3784

67.5251, 0.2959,  
0.4029

74.4395, 0.3056,  
0.3562

64.8649, 0.2919,  
0.4294

78.7447, 0.3106,  
0.3365

62.6984, 0.2887,  
0.4572

83.6466, 0.3156,  
0.3191

60.9943, 0.2867,  
0.4854

86.1941, 0.3138,  
0.3068

■ 59.7172, 0.2861,  
0.5127

■ 58.8265, 0.2872,  
0.5377

■ 58.2734, 0.2897,  
0.5588

■ 58.0632, 0.2914,  
0.5692

# Harmonies

## Analogous

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



70.7049, 0.3364, 0.3930



70.7049, 0.3006, 0.3784



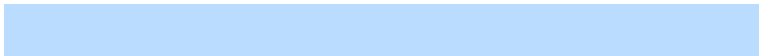
70.7049, 0.2693, 0.3480

# Triad

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



70.7049, 0.3006, 0.3784



70.7049, 0.2594, 0.2718



70.7049, 0.3797, 0.3386

# Complementary

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



70.7049, 0.3006, 0.3784



53.2232, 0.3275, 0.2842

# 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.



70.7049, 0.3567, 0.3096



70.7049, 0.3006, 0.3784



70.7049, 0.2864, 0.2723

# Square

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



70.7049, 0.3006, 0.3784



70.7049, 0.2466, 0.2859



70.7049, 0.3219, 0.2860



70.7049, 0.3833, 0.3670



# Rectangle

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



70.7049, 0.3006, 0.3784



70.7049, 0.2548, 0.3245



70.7049, 0.3219, 0.2860



70.7049, 0.3739, 0.3287

# Sweetspot

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



70.7079, 0.3006, 0.3784



95.9569, 0.3092, 0.3420



75.6120, 0.3382, 0.3914



20.4678, 0.3088, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

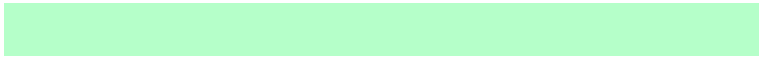


# Same Dimension

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



70.7079, 0.3006, 0.3784



85.5598, 0.2982, 0.3904



72.0572, 0.2844, 0.3442



16.1522, 0.3079, 0.3467



32.2518, 0.2907, 0.5665



2.3984, 0.2827, 0.5379



# Inverse Universe

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



53.2232, 0.3275, 0.2842



60.3378, 0.3314, 0.2746



51.8904, 0.3514, 0.3144



14.5459, 0.3179, 0.3119



11.1550, 0.4024, 0.1991

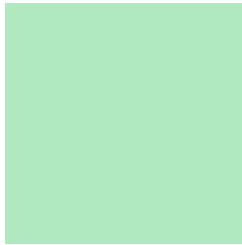


0.8396, 0.3878, 0.1910



# Previews

## White Background



This preview shows how the Yxy color 70.7049, 0.3006, 0.3784 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 70.7049, 0.3006, 0.3784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

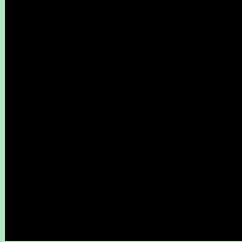
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.7049, 0.3006, 0.3784**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7049, 0.3006, 0.3784.

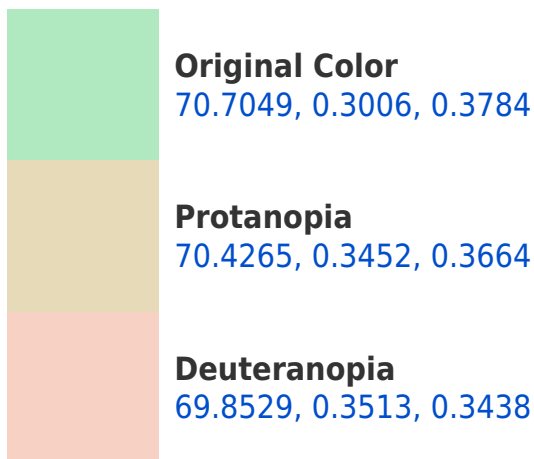


This preview shows how white text looks on a background with the Yxy color 70.7049, 0.3006, 0.3784.

# 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

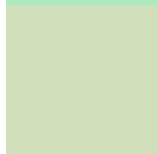
70.7606, 0.2764, 0.3087

# Trichromacy



## Original Color

70.7049, 0.3006, 0.3784



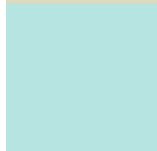
## Protanomaly

70.0648, 0.3272, 0.3702



## Deuteranomaly

69.4100, 0.3313, 0.3558



## Tritanomaly

70.8137, 0.2849, 0.3335

# Monochromacy



## Original Color

70.7049, 0.3006, 0.3784



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.0284, 0.3076, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7049, 0.3006, 0.3784 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7049, 0.3006, 0.3784 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, 191) }
```

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

```
.border{ border-color:rgb(176, 232, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 191);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7049, 0.3006, 0.3784 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, 191) }
```

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

```
.background{ background-color: rgb(176,  
232, 191) }
```

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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