

# Converting Colors

$Yxy(70.3320, 0.3010, 0.3769)$

Have a look what the booklet for  
Yxy(70.3320, 0.3010, 0.3769)  
contains.

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# Color

**Yxy(70.2605, 0.3012, 0.3772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E7BF
RGB	177, 231, 191
RGB Percent	69%, 91%, 75%
CMY	0.3061, 0.0941, 0.2509
CMYK	0.23, 0.00, 0.17, 0.09
HSL	136°, 53%, 80%
HSV	136°, 23%, 91%
XYZ	56.1041, 70.2605, 59.9040
YIQ	210.2940, -19.3440, -23.8880

# Conversions

## Conversions Part 2

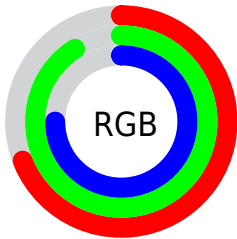
Format	Color
<b>RYB</b>	177, 220, 231
Decimal	11659199
CIELab	87.12, -25.08, 13.92
CIElCh	87, 28.680, 150.965
Yxy	70.2605, 0.3012, 0.3772
Android (android.graphics.Color)	4289849279 (0xFFB1E7BF)
YUV	210.2940, -9.5119, -29.1988
Hunter-Lab	83.8215, -27.2127, 16.3028

# Details

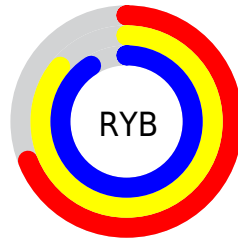
The Yxy color **70.2605, 0.3012, 0.3772** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.4230, 0.3267, 0.2852**, and the grayscale version is **64.7214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5590, 0.3038, 0.3369**, and **36.7059, 0.2974, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **67.0682, 0.2966, 0.4018**, and if you desaturate by 10%, it is **74.0057, 0.3061, 0.3550**.

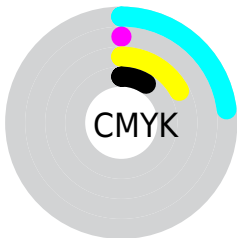
# Distribution



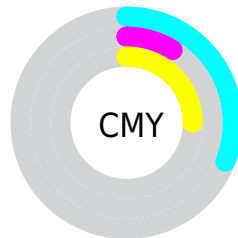
- Red (69%)
- Green (91%)
- Blue (75%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (9%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2605, 0.3012, 0.3772 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 70.2605, 0.3012, 0.3772 by changing the saturation by 10% instead.





 70.2605, 0.3012,  
0.3772

 70.2605, 0.3012,  
0.3772


461.4641, 0.3069,  
0.3540

 51.7389, 0.2998,  
0.3827


 119.5802, 0.3033,  
0.3690

 36.7970, 0.2980,  
0.3897


151.1471, 0.3041,  
0.3658

 25.0504, 0.2956,  
0.3988


187.8312, 0.3047,  
0.3631

 16.1146, 0.2923,  
0.4110

230.0169, 0.3053,  
0.3608

 9.6053, 0.2874,  
0.4282

278.0887, 0.3058,  
0.3588

 5.1380, 0.2797,  
0.4545

332.4309, 0.3062,

 2.3285, 0.2658,

0.3570

0.4991

393.4279, 0.3066,  
0.3554

0.7887, 0.1485,  
0.8515

0.0000, 0.0000,  
0.0000

70.2605, 0.3012,  
0.3772

70.2605, 0.3012,  
0.3772

67.0682, 0.2966,  
0.4018

74.0057, 0.3061,  
0.3550

64.3937, 0.2926,  
0.4284

78.3192, 0.3110,  
0.3352

62.2118, 0.2894,  
0.4565

83.2269, 0.3159,  
0.3178

60.4913, 0.2873,  
0.4849

85.6398, 0.3138,  
0.3058

■ 59.1976, 0.2867,  
0.5125

■ 58.2909, 0.2876,  
0.5377

■ 57.7233, 0.2899,  
0.5591

■ 57.4872, 0.2919,  
0.5707

# Harmonies

## Analogous

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



70.2605, 0.3361, 0.3913



70.2605, 0.3012, 0.3772



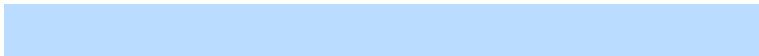
70.2605, 0.2706, 0.3477

# Triad

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



70.2605, 0.3012, 0.3772



70.2605, 0.2606, 0.2733



70.2605, 0.3778, 0.3382

# Complementary

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



70.2605, 0.3012, 0.3772



53.4230, 0.3267, 0.2852

# 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.



70.2605, 0.3554, 0.3099



70.2605, 0.3012, 0.3772



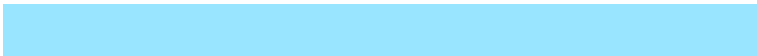
70.2605, 0.2869, 0.2736

# Square

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



70.2605, 0.3012, 0.3772



70.2605, 0.2482, 0.2872



70.2605, 0.3215, 0.2869



70.2605, 0.3815, 0.3659



# Rectangle

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



70.2605, 0.3012, 0.3772



70.2605, 0.2563, 0.3250



70.2605, 0.3215, 0.2869



70.2605, 0.3722, 0.3285

# Sweetspot

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



70.2635, 0.3012, 0.3772



95.9488, 0.3092, 0.3421



75.1603, 0.3381, 0.3893



20.4659, 0.3089, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

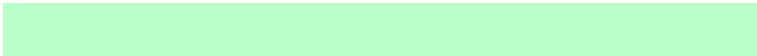


# Same Dimension

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



70.2635, 0.3012, 0.3772



85.9337, 0.2990, 0.3886



71.5368, 0.2857, 0.3448



16.1504, 0.3080, 0.3469



32.2409, 0.2912, 0.5682



2.3974, 0.2833, 0.5397



# Inverse Universe

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



53.4230, 0.3267, 0.2852



61.4557, 0.3302, 0.2761



52.1541, 0.3492, 0.3139



14.5478, 0.3177, 0.3118



11.1917, 0.3997, 0.1976

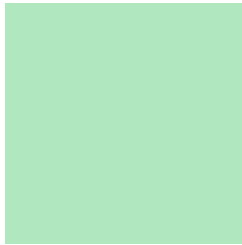


0.8420, 0.3856, 0.1898



# Previews

## White Background



This preview shows how the Yxy color 70.2605, 0.3012, 0.3772 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 70.2605, 0.3012, 0.3772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

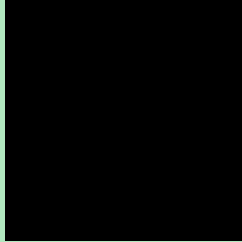
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

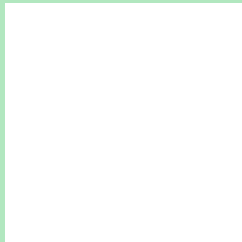
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2605, 0.3012, 0.3772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.2605, 0.3012, 0.3772.



This preview shows how white text looks on a background with the Yxy color 70.2605, 0.3012, 0.3772.

# 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

70.2605, 0.3012, 0.3772

### Protanopia

69.7444, 0.3446, 0.3654

### Deuteranopia

69.8075, 0.3520, 0.3449



## Tritanopia

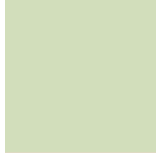
70.1612, 0.2768, 0.3086

# Trichromacy



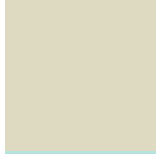
## Original Color

70.2605, 0.3012, 0.3772



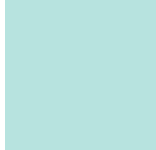
## Protanomaly

69.5320, 0.3274, 0.3691



## Deuteranomaly

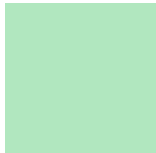
69.5674, 0.3321, 0.3558



## Tritanomaly

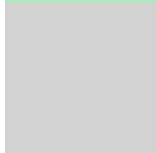
70.3332, 0.2861, 0.3336

# Monochromacy



## Original Color

70.2605, 0.3012, 0.3772



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

66.4604, 0.3083, 0.3465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2605, 0.3012, 0.3772 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(177, 231, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 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(177, 231, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2605, 0.3012, 0.3772 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(177, 231, 191) }
```

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

```
.border{ border-color:rgb(177, 231, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2605, 0.3012, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 191) }
```

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

```
.background{ background-color: rgb(177,  
231, 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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