

# Converting Colors

$Yxy(70.9316, 0.2991, 0.3685)$

Have a look what the booklet for  
Yxy(70.9316, 0.2991, 0.3685)  
contains.

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# **Color**

**Yxy(70.9323, 0.2990, 0.3683)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E7C6
RGB	180, 231, 198
RGB Percent	71%, 91%, 78%
CMY	0.2942, 0.0941, 0.2236
CMYK	0.22, 0.00, 0.14, 0.09
HSL	141°, 52%, 81%
HSV	141°, 22%, 91%
XYZ	57.5855, 70.9323, 64.0760
YIQ	211.9890, -19.8030, -21.0750

# Conversions

## Conversions Part 2

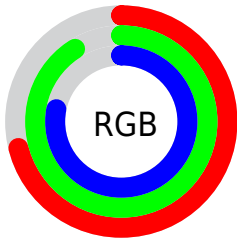
Format	Color
<b>RYB</b>	180, 218, 231
Decimal	11855814
CIELab	87.45, -22.83, 10.77
CIElCh	87, 25.240, 154.753
Yxy	70.9323, 0.2990, 0.3683
Android (android.graphics.Color)	4290045894 (0xFFB4E7C6)
YUV	211.9890, -6.8966, -28.0544
Hunter-Lab	84.2213, -25.3396, 13.8468

# Details

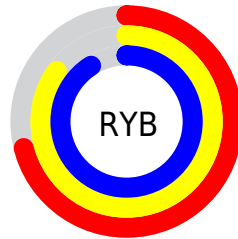
The Yxy color **70.9323, 0.2990, 0.3683** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.4266, 0.3296, 0.2927**, and the grayscale version is **65.8850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **37.1092, 0.2953, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **67.7344, 0.2932, 0.3894**, and if you desaturate by 10%, it is **74.6662, 0.3051, 0.3493**.

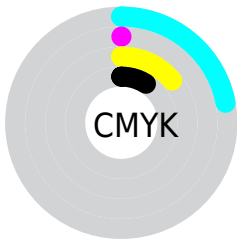
# Distribution



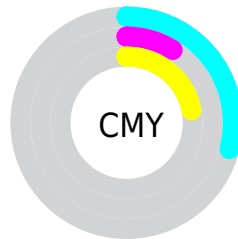
- Red (71%)
- Green (91%)
- Blue (78%)



- Red (71%)
- Yellow (85%)
- Blue (91%)



- Cyan (22%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)




- Cyan (29%)
- Magenta (9%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9323, 0.2990, 0.3683 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 70.9323, 0.2990, 0.3683 by changing the saturation by 10% instead.




 70.9323, 0.2990,  
0.3683

 70.9323, 0.2990,  
0.3683


463.8167, 0.3056,  
0.3495

 52.2870, 0.2974,  
0.3728

 120.5373, 0.3014,  
0.3616

 37.2338, 0.2954,  
0.3784


152.2658, 0.3023,  
0.3591

 25.3886, 0.2928,  
0.3856


189.1241, 0.3030,  
0.3569

 16.3668, 0.2893,  
0.3953

231.4966, 0.3037,  
0.3550

 9.7841, 0.2842,  
0.4090

279.7677, 0.3043,  
0.3534

 5.2560, 0.2765,  
0.4297


334.3219, 0.3048,

 2.3983, 0.2633,


0.3519

0.4646

395.5434, 0.3052,  
0.3506


 0.8250, 0.1894,  
0.6889


 0.0000, 0.0000,  
0.0000


 70.9323, 0.2990,  
0.3683


 70.9323, 0.2990,  
0.3683


 67.7344, 0.2932,  
0.3894


 74.6662, 0.3051,  
0.3493


 65.0387, 0.2881,  
0.4123

 78.9505, 0.3114,  
0.3323

 62.8214, 0.2840,  
0.4367

 83.8098, 0.3176,  
0.3173

 61.0530, 0.2812,  
0.4619

 85.6383, 0.3138,  
0.3058

■ 59.7007, 0.2800,  
0.4871

■ 58.7267, 0.2806,  
0.5112

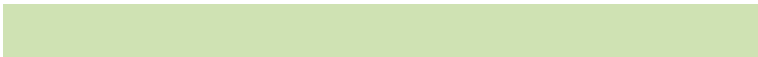
■ 58.0864, 0.2830,  
0.5332

■ 57.7607, 0.2857,  
0.5485

# Harmonies

## Analogous

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



70.9323, 0.3297, 0.3827



70.9323, 0.2990, 0.3683



70.9323, 0.2729, 0.3418

# Triad

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



70.9323, 0.2990, 0.3683



70.9323, 0.2691, 0.2792



70.9323, 0.3711, 0.3407

# Complementary

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



70.9323, 0.2990, 0.3683



54.4266, 0.3296, 0.2927

# 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.



70.9323, 0.3533, 0.3153



70.9323, 0.2990, 0.3683



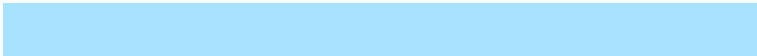
70.9323, 0.2937, 0.2809

# Square

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



70.9323, 0.2990, 0.3683



70.9323, 0.2563, 0.2902



70.9323, 0.3245, 0.2939



70.9323, 0.3722, 0.3646



# Rectangle

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



70.9323, 0.2990, 0.3683



70.9323, 0.2613, 0.3220



70.9323, 0.3245, 0.2939



70.9323, 0.3669, 0.3321

# Sweetspot

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



70.9353, 0.2990, 0.3683



96.0487, 0.3083, 0.3404



74.6208, 0.3330, 0.3864



20.4890, 0.3079, 0.3415



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

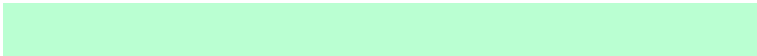


# Same Dimension

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



70.9353, 0.2990, 0.3683



86.6538, 0.2960, 0.3787



72.2054, 0.2842, 0.3378



16.1728, 0.3068, 0.3446



32.3992, 0.2849, 0.5456



2.4113, 0.2766, 0.5159



# Inverse Universe

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



54.4266, 0.3296, 0.2927



62.1933, 0.3344, 0.2841



53.2377, 0.3510, 0.3205



14.5243, 0.3192, 0.3139



10.7732, 0.4347, 0.2169

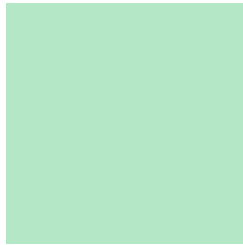


0.8136, 0.4138, 0.2053



# Previews

## White Background



This preview shows how the Yxy color 70.9323, 0.2990, 0.3683 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

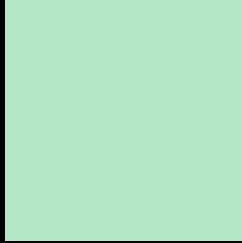
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9323, 0.2990, 0.3683 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

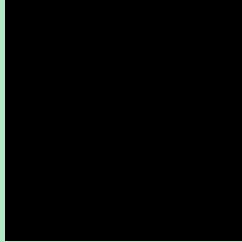
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

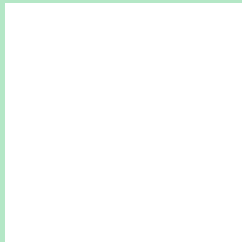
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.9323, 0.2990, 0.3683**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9323, 0.2990, 0.3683.

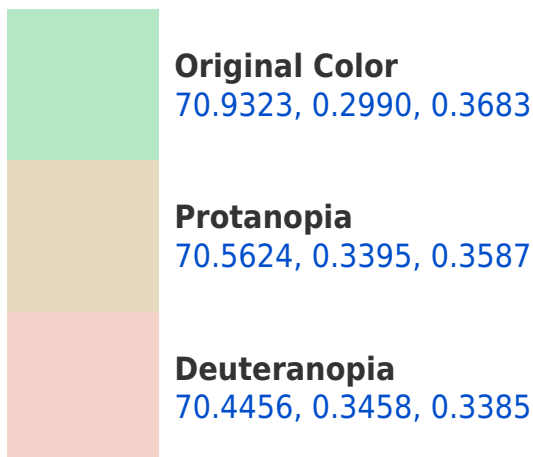


This preview shows how white text looks on a background with the Yxy color 70.9323, 0.2990, 0.3683.

# 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

71.0129, 0.2776, 0.3088

# Trichromacy



**Original Color**

70.9323, 0.2990, 0.3683

**Protanomaly**

70.5193, 0.3233, 0.3619

**Deuteranomaly**

69.8894, 0.3272, 0.3479

**Tritanomaly**

70.7985, 0.2850, 0.3289

# Monochromacy



**Original Color**

70.9323, 0.2990, 0.3683

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

67.4474, 0.3071, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9323, 0.2990, 0.3683 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(180, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(180, 231, 198)  
}
```

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(180, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 231, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9323, 0.2990, 0.3683 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(180, 231, 198) }
```

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

```
.border{ border-color:rgb(180, 231, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 231, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 231, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 231, 198);  
box-shadow:4px 4px 4px 4px rgb(180, 231,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9323, 0.2990, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 231, 198) }
```

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

```
.background{ background-color: rgb(180,  
231, 198) }
```

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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