

# Converting Colors

$Yxy(70.5183, 0.2858, 0.3378)$

Have a look what the booklet for  
Yxy(70.5183, 0.2858, 0.3378)  
contains.

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# Color

**Yxy(70.4106, 0.2854, 0.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E4DD
RGB	180, 228, 221
RGB Percent	71%, 89%, 87%
CMY	0.2942, 0.1058, 0.1334
CMYK	0.21, 0.00, 0.03, 0.11
HSL	171°, 47%, 80%
HSV	171°, 21%, 89%
XYZ	59.6119, 70.4106, 78.8490
YIQ	212.8500, -26.3610, -12.3530

# Conversions

## Conversions Part 2

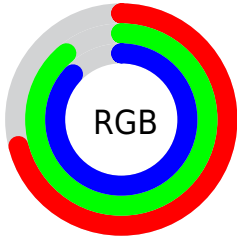
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 206, 228
Decimal	11855069
CIELab	87.20, -16.83, -1.67
CIELCh	87, 16.910, 185.680
Yxy	70.4106, 0.2854, 0.3371
Android (android.graphics.Color)	4290045149 (0xFFB4E4DD)
YUV	212.8500, 4.0180, -28.8094
Hunter-Lab	83.9110, -20.0346, 3.0244

# Details

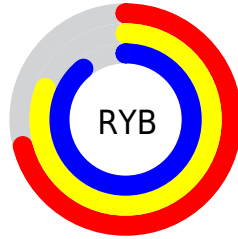
The Yxy color **70.4106, 0.2854, 0.3371** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7174, 0.3489, 0.3211**, and the grayscale version is **66.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **36.6938, 0.2787, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **67.7229, 0.2738, 0.3415**, and if you desaturate by 10%, it is **73.5577, 0.2980, 0.3331**.

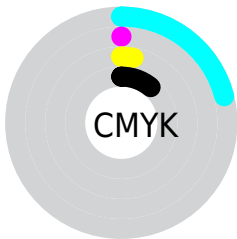
# Distribution



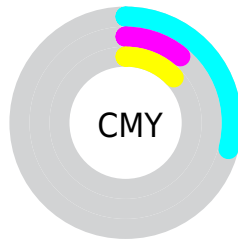
- Red (71%)
- Green (89%)
- Blue (87%)



- Red (71%)
- Yellow (81%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)



- Cyan (29%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4106, 0.2854, 0.3371 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 70.4106, 0.2854, 0.3371 by changing the saturation by 10% instead.



70.4106, 0.2854,  
0.3371

70.4106, 0.2854,  
0.3371

461.9904, 0.2981,  
0.3334

51.8613, 0.2825,  
0.3379

119.7941, 0.2898,  
0.3358

36.8946, 0.2789,  
0.3390

151.3972, 0.2915,  
0.3353

25.1259, 0.2744,  
0.3402

188.1203, 0.2930,  
0.3349

16.1709, 0.2684,  
0.3419

230.3478, 0.2943,  
0.3345

9.6451, 0.2602,  
0.3441

278.4642, 0.2954,  
0.3342

5.1643, 0.2485,  
0.3473

332.8538, 0.2964,

2.3440, 0.2299,

0.3339

393.9011, 0.2973,  
0.3336

0.3521

0.7968, 0.1629,  
0.3744

0.0000, 0.0000,  
0.0000

70.4106, 0.2854,  
0.3371

70.4106, 0.2854,  
0.3371

67.7229, 0.2738,  
0.3415

73.5577, 0.2980,  
0.3331

65.4639, 0.2634,  
0.3461

77.1761, 0.3113,  
0.3294

63.6127, 0.2546,  
0.3510

81.2878, 0.3250,  
0.3260

62.1430, 0.2475,  
0.3561

82.7115, 0.3274,  
0.3228

■ 61.0257, 0.2423,  
0.3613

■ 82.9052, 0.3252,  
0.3195

■ 60.2272, 0.2391,  
0.3665

■ 83.1025, 0.3230,  
0.3163

■ 59.7074, 0.2378,  
0.3717

■ 83.3034, 0.3208,  
0.3131

■ 59.4190, 0.2379,  
0.3763

■ 83.5080, 0.3187,  
0.3099

■ 83.7162, 0.3165,  
0.3067

# Harmonies

## Analogous

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



70.4106, 0.3031, 0.3545



70.4106, 0.2854, 0.3371



70.4106, 0.2751, 0.3179

# Triad

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



70.4106, 0.2854, 0.3371



70.4106, 0.3007, 0.2962



70.4106, 0.3524, 0.3539

# Complementary

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



70.4106, 0.2854, 0.3371



52.7174, 0.3489, 0.3211

# 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.



70.4106, 0.3519, 0.3380



70.4106, 0.2854, 0.3371



70.4106, 0.3215, 0.3054

# Square

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



70.4106, 0.2854, 0.3371



70.4106, 0.2836, 0.2951



70.4106, 0.3404, 0.3204



70.4106, 0.3420, 0.3639



# Rectangle

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



70.4106, 0.2854, 0.3371



70.4106, 0.2735, 0.3071



70.4106, 0.3404, 0.3204



70.4106, 0.3536, 0.3490

# Sweetspot

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



70.4135, 0.2854, 0.3371



97.0696, 0.3046, 0.3312



69.3751, 0.3149, 0.3865



20.7116, 0.3037, 0.3314



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

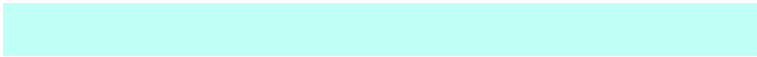


# Same Dimension

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



70.4135, 0.2854, 0.3371



89.2633, 0.2805, 0.3389



61.9905, 0.2800, 0.3091



16.2983, 0.3001, 0.3324



34.3209, 0.2376, 0.3755



2.5461, 0.2355, 0.3679



# Inverse Universe

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



52.7174, 0.3489, 0.3211



62.8273, 0.3581, 0.3195



59.6273, 0.3512, 0.3481



14.4021, 0.3270, 0.3256



9.5992, 0.6197, 0.3188

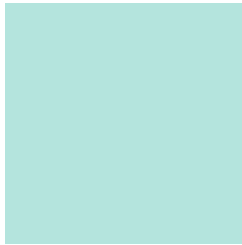


0.7201, 0.5846, 0.2994



# Previews

## White Background



This preview shows how the Yxy color 70.4106, 0.2854, 0.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

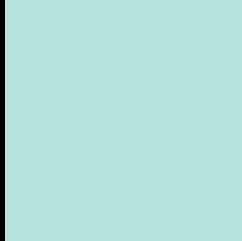
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4106, 0.2854, 0.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

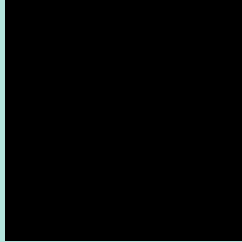
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

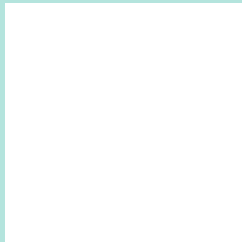
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4106, 0.2854, 0.3371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4106, 0.2854, 0.3371.

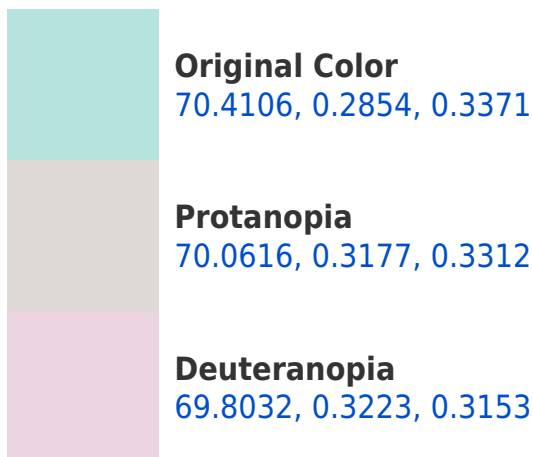


This preview shows how white text looks on a background with the Yxy color 70.4106, 0.2854, 0.3371.

# 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

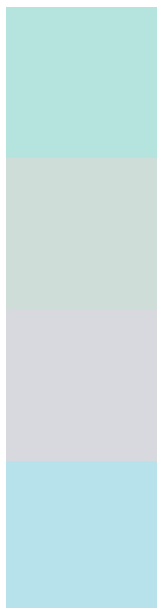




## Tritanopia

70.5118, 0.2752, 0.3086

# Trichromacy



## Original Color

70.4106, 0.2854, 0.3371

## Protanomaly

69.9881, 0.3055, 0.3335

## Deuteranomaly

69.5524, 0.3080, 0.3224

## Tritanomaly

70.4582, 0.2791, 0.3186

# Monochromacy



## Original Color

70.4106, 0.2854, 0.3371

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.5182, 0.3020, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4106, 0.2854, 0.3371 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, 228, 221)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 221)  
}
```

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, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4106, 0.2854, 0.3371 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, 228, 221) }
```

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

```
.border{ border-color:rgb(180, 228, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4106, 0.2854, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 221) }
```

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

```
.background{ background-color: rgb(180,  
228, 221) }
```

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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