

# Converting Colors

$Yxy(70.6407, 0.2861, 0.3403)$

Have a look what the booklet for  
Yxy(70.6407, 0.2861, 0.3403)  
contains.

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# Color

**Yxy(70.7368, 0.2860, 0.3406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E5DB
RGB	179, 229, 219
RGB Percent	70%, 90%, 86%
CMY	0.2980, 0.1019, 0.1411
CMYK	0.22, 0.00, 0.04, 0.10
HSL	168°, 49%, 80%
HSV	168°, 22%, 90%
XYZ	59.3973, 70.7368, 77.5488
YIQ	212.9100, -26.5900, -13.7100

# Conversions

## Conversions Part 2

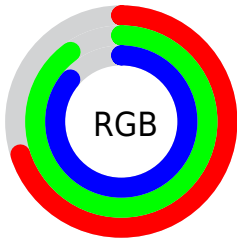
Format	Color
<b>RYB</b>	179, 207, 229
Decimal	11789787
CIELab	87.36, -18.03, -0.41
CIELCh	87, 18.032, 181.292
Yxy	70.7368, 0.2860, 0.3406
Android (android.graphics.Color)	4289979867 (0xFFB3E5DB)
YUV	212.9100, 3.0024, -29.7391
Hunter-Lab	84.1052, -21.1226, 4.2055

# Details

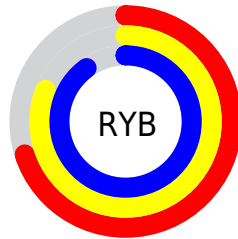
The Yxy color **70.7368, 0.2860, 0.3406** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5740, 0.3483, 0.3178**, and the grayscale version is **66.4715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.9275, 0.2795, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **67.9961, 0.2750, 0.3467**, and if you desaturate by 10%, it is **73.9431, 0.2979, 0.3350**.

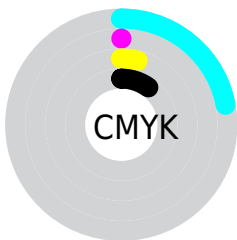
# Distribution



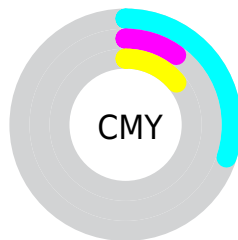
- Red (70%)
- Green (90%)
- Blue (86%)



- Red (70%)
- Yellow (81%)
- Blue (90%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)




- Cyan (30%)
- Magenta (10%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7368, 0.2860, 0.3406 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 70.7368, 0.2860, 0.3406 by changing the saturation by 10% instead.




 70.7368, 0.2860,  
0.3406

 70.7368, 0.2860,  
0.3406


463.1328, 0.2984,  
0.3352

 52.1274, 0.2832,  
0.3418


 120.2589, 0.2903,  
0.3387

 37.1067, 0.2796,  
0.3433


151.9404, 0.2920,  
0.3380

 25.2901, 0.2752,  
0.3453


188.7481, 0.2934,  
0.3374

 16.2933, 0.2693,  
0.3478

231.0663, 0.2947,  
0.3369

 9.7319, 0.2613,  
0.3512

279.2795, 0.2958,  
0.3364

 5.2216, 0.2497,  
0.3562

333.7721, 0.2968,

 2.3779, 0.2314,

0.3360

0.3639

394.9284, 0.2976,  
0.3356

0.8145, 0.1619,  
0.3947

0.0000, 0.0000,  
0.0000

70.7368, 0.2860,  
0.3406

70.7368, 0.2860,  
0.3406

67.9961, 0.2750,  
0.3467

73.9431, 0.2979,  
0.3350

65.6898, 0.2653,  
0.3532


77.6271, 0.3104,  
0.3299


63.7965, 0.2570,  
0.3600


81.8112, 0.3232,  
0.3253


62.2895, 0.2505,  
0.3672


83.4333, 0.3253,  
0.3209


 61.1390, 0.2459,  
0.3745


 83.7047, 0.3223,  
0.3164

 60.3106, 0.2432,  
0.3818

 83.9829, 0.3193,  
0.3120

 59.7631, 0.2425,  
0.3891

 84.2681, 0.3164,  
0.3076

 59.4697, 0.2431,  
0.3950

 84.5204, 0.3139,  
0.3039

# Harmonies

## Analogous

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



70.7368, 0.3056, 0.3584



70.7368, 0.2860, 0.3406



70.7368, 0.2737, 0.3200

# Triad

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



70.7368, 0.2860, 0.3406



70.7368, 0.2968, 0.2934



70.7368, 0.3557, 0.3532

# Complementary

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



70.7368, 0.2860, 0.3406



52.5740, 0.3483, 0.3178

# 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.



70.7368, 0.3534, 0.3357



70.7368, 0.2860, 0.3406



70.7368, 0.3188, 0.3020

# Square

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



70.7368, 0.2860, 0.3406



70.7368, 0.2797, 0.2935



70.7368, 0.3397, 0.3173



70.7368, 0.3461, 0.3652



# Rectangle

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



70.7368, 0.2860, 0.3406



70.7368, 0.2710, 0.3079



70.7368, 0.3397, 0.3173



70.7368, 0.3563, 0.3478

# Sweetspot

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



70.7397, 0.2860, 0.3406



96.5428, 0.3038, 0.3325



70.1145, 0.3167, 0.3886



20.6035, 0.3030, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

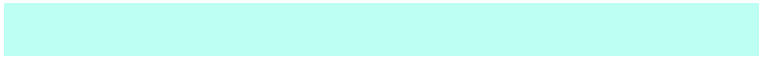


# Same Dimension

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



70.7397, 0.2860, 0.3406



88.6965, 0.2811, 0.3432



63.3362, 0.2791, 0.3113



16.2844, 0.3008, 0.3337



34.0183, 0.2428, 0.3939



2.5264, 0.2398, 0.3833



# Inverse Universe

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



52.5740, 0.3483, 0.3178



61.7880, 0.3575, 0.3154



58.4984, 0.3534, 0.3461



14.4148, 0.3261, 0.3243



9.6496, 0.6070, 0.3118

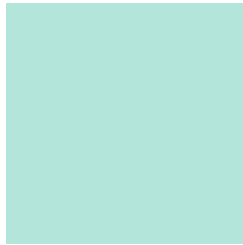


0.7261, 0.5673, 0.2899



# Previews

## White Background



This preview shows how the Yxy color 70.7368, 0.2860, 0.3406 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

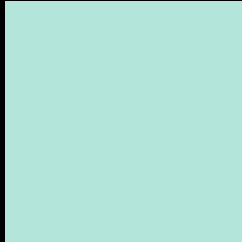
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7368, 0.2860, 0.3406 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

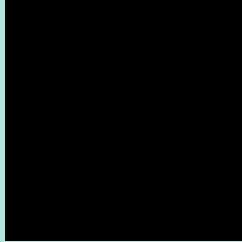
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

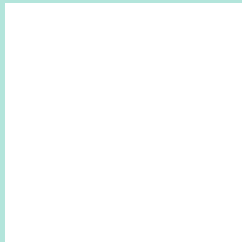
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7368, 0.2860, 0.3406**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7368, 0.2860, 0.3406.



This preview shows how white text looks on a background with the Yxy color 70.7368, 0.2860, 0.3406.

# 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

70.7368, 0.2860, 0.3406

### Protanopia

70.0671, 0.3205, 0.3345

### Deuteranopia

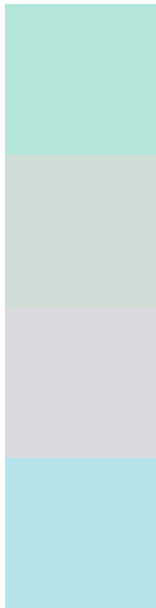
70.4192, 0.3236, 0.3175



## Tritanopia

70.5118, 0.2752, 0.3086

# Trichromacy



**Original Color**

70.7368, 0.2860, 0.3406

**Protanomaly**

69.8846, 0.3068, 0.3357

**Deuteranomaly**

70.0157, 0.3086, 0.3246

**Tritanomaly**

70.2783, 0.2791, 0.3198

# Monochromacy



**Original Color**

70.7368, 0.2860, 0.3406

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

67.9868, 0.3026, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7368, 0.2860, 0.3406 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(179, 229, 219)` looks like.

```
.text, #text, p{  
    color:rgb(179, 229, 219)  
}
```

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(179, 229, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 229, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7368, 0.2860, 0.3406 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(179, 229, 219) }
```

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

```
.border{ border-color:rgb(179, 229, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 229, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 229, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 229, 219); box-shadow:4px 4px 4px 4px rgb(179, 229, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7368, 0.2860, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 229, 219) }
```

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

```
.background{ background-color: rgb(179,  
229, 219) }
```

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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