

# Converting Colors

$Yxy(70.8698, 0.2862, 0.3420)$

Have a look what the booklet for  
Yxy(70.8698, 0.2862, 0.3420)  
contains.

<b>Yxy(70.6843, 0.2866, 0.3418)</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(70.6843, 0.2866, 0.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E5DA
RGB	179, 229, 218
RGB Percent	70%, 90%, 85%
CMY	0.2979, 0.1020, 0.1451
CMYK	0.22, 0.00, 0.05, 0.10
HSL	167°, 49%, 80%
HSV	167°, 22%, 90%
XYZ	59.2689, 70.6843, 76.8469
YIQ	212.7960, -26.2690, -14.0210

# Conversions

## Conversions Part 2

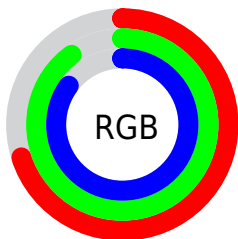
Format	Color
<b>RYB</b>	179, 207, 229
Decimal	11789786
CIELab	87.33, -18.23, 0.09
CIElCh	87, 18.225, 179.718
Yxy	70.6843, 0.2866, 0.3418
Android (android.graphics.Color)	4289979866 (0xFFB3E5DA)
YUV	212.7960, 2.5656, -29.6391
Hunter-Lab	84.0740, -21.2937, 4.6583

# Details

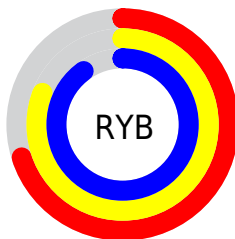
The Yxy color **70.6843, 0.2866, 0.3418** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.6289, 0.3474, 0.3166**, and the grayscale version is **66.3968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.8915, 0.2802, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **67.9209, 0.2759, 0.3485**, and if you desaturate by 10%, it is **73.9147, 0.2982, 0.3356**.

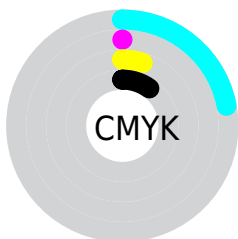
# Distribution



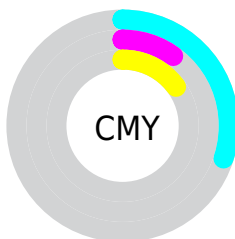
- Red (70%)
- Green (90%)
- Blue (85%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (30%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6843, 0.2866, 0.3418 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 70.6843, 0.2866, 0.3418 by changing the saturation by 10% instead.



70.6843, 0.2866,  
0.3418

70.6843, 0.2866,  
0.3418

462.9491, 0.2987,  
0.3359

52.0846, 0.2838,  
0.3432

120.1841, 0.2908,  
0.3397

37.0725, 0.2804,  
0.3449

151.8530, 0.2925,  
0.3389

25.2636, 0.2760,  
0.3470

188.6471, 0.2939,  
0.3382

16.2736, 0.2702,  
0.3498

230.9507, 0.2951,  
0.3376

9.7180, 0.2624,  
0.3537

279.1484, 0.2962,  
0.3371

5.2124, 0.2510,  
0.3593

333.6244, 0.2971,

2.3724, 0.2329,

0.3366

394.7631, 0.2980,  
0.3362

0.3681

0.8116, 0.1620,  
0.4027

0.0000, 0.0000,  
0.0000

70.6843, 0.2866,  
0.3418

70.6843, 0.2866,  
0.3418

67.9209, 0.2759,  
0.3485

73.9147, 0.2982,  
0.3356

65.5933, 0.2663,  
0.3557


77.6242, 0.3104,  
0.3300


63.6801, 0.2582,  
0.3633

81.8353, 0.3230,  
0.3249

62.1546, 0.2518,  
0.3713


83.4808, 0.3248,  
0.3200


 60.9869, 0.2474,  
0.3794


 83.7816, 0.3215,  
0.3151


 60.1427, 0.2449,  
0.3875

 84.0908, 0.3182,  
0.3103

 59.5806, 0.2444,  
0.3957

 84.4084, 0.3150,  
0.3055

 59.2760, 0.2451,  
0.4023

 84.5181, 0.3139,  
0.3039

# Harmonies

## Analogous

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



70.6843, 0.3067, 0.3594



70.6843, 0.2866, 0.3418



70.6843, 0.2737, 0.3210

# Triad

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



70.6843, 0.2866, 0.3418



70.6843, 0.2956, 0.2928



70.6843, 0.3564, 0.3527

# Complementary

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



70.6843, 0.2866, 0.3418



52.6289, 0.3474, 0.3166

# 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.



70.6843, 0.3534, 0.3348



70.6843, 0.2866, 0.3418



70.6843, 0.3176, 0.3011

# Square

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



70.6843, 0.2866, 0.3418



70.6843, 0.2787, 0.2934



70.6843, 0.3390, 0.3162



70.6843, 0.3473, 0.3651



# Rectangle

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



70.6843, 0.2866, 0.3418



70.6843, 0.2706, 0.3085



70.6843, 0.3390, 0.3162



70.6843, 0.3568, 0.3471

# Sweetspot

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



70.6872, 0.2866, 0.3418



96.5198, 0.3040, 0.3328



70.3301, 0.3179, 0.3883



20.5981, 0.3033, 0.3332



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

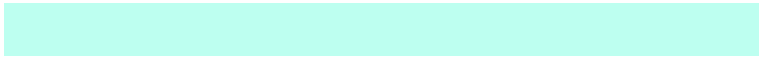


# Same Dimension

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



70.6872, 0.2866, 0.3418



88.6158, 0.2818, 0.3447



64.1891, 0.2792, 0.3133



16.2792, 0.3011, 0.3342



33.9102, 0.2447, 0.4010



2.5193, 0.2414, 0.3892



# Inverse Universe

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



52.6289, 0.3474, 0.3166



61.8522, 0.3563, 0.3140



57.7690, 0.3538, 0.3442



14.4197, 0.3258, 0.3238



9.6727, 0.6014, 0.3087

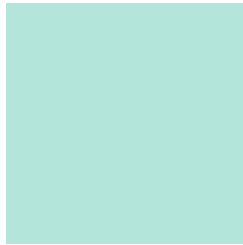


0.7285, 0.5608, 0.2863



# Previews

## White Background



This preview shows how the Yxy color 70.6843, 0.2866, 0.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

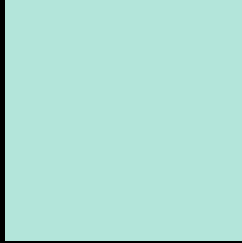
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6843, 0.2866, 0.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

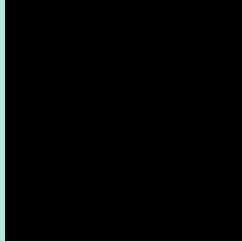
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

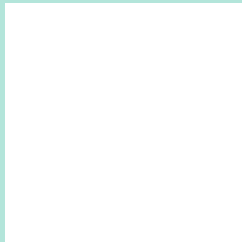
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6843, 0.2866, 0.3418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6843, 0.2866, 0.3418.

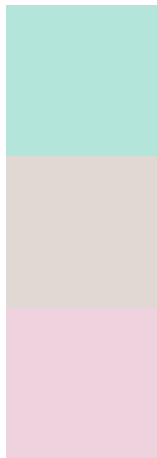


This preview shows how white text looks on a background with the Yxy color 70.6843, 0.2866, 0.3418.

# 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

70.6843, 0.2866, 0.3418

### Protanopia

70.1762, 0.3219, 0.3356

### Deuteranopia

70.0396, 0.3252, 0.3175



## Tritanopia

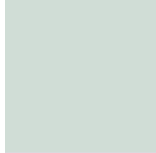
70.5118, 0.2752, 0.3086

# Trichromacy



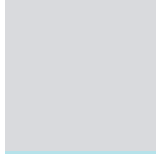
## Original Color

70.6843, 0.2866, 0.3418



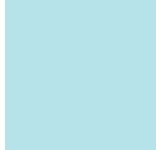
## Protanomaly

69.9778, 0.3081, 0.3369



## Deuteranomaly

70.1150, 0.3100, 0.3257



## Tritanomaly

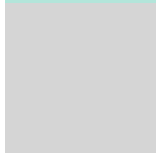
70.2783, 0.2791, 0.3198

# Monochromacy



## Original Color

70.6843, 0.2866, 0.3418



## 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  $Yxy$  70.6843, 0.2866, 0.3418 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(179, 229, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 229, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6843, 0.2866, 0.3418 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, 218) }
```

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

```
.border{ border-color:rgb(179, 229, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 229, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 229, 218);  
box-shadow:4px 4px 4px 4px rgb(179, 229,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6843, 0.2866, 0.3418 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, 218) }
```

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

```
.background{ background-color: rgb(179,  
229, 218) }
```

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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