

# Converting Colors

Yxy(69.9867, 0.2925, 0.3426)

Have a look what the booklet for  
Yxy(69.9867, 0.2925, 0.3426)  
contains.

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# Color

**Yxy(70.2836, 0.2927, 0.3429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE3D7
RGB	186, 227, 215
RGB Percent	73%, 89%, 84%
CMY	0.2704, 0.1098, 0.1569
CMYK	0.18, 0.00, 0.05, 0.11
HSL	162°, 42%, 81%
HSV	162°, 18%, 89%
XYZ	59.9942, 70.2836, 74.6904
YIQ	213.3730, -20.5840, -12.4240

# Conversions

## Conversions Part 2

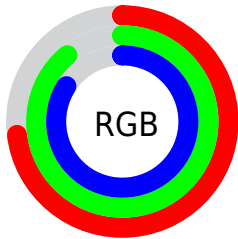
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 210, 227
Decimal	12248023
CIELab	87.14, -15.65, 1.43
CIElCh	87, 15.712, 174.764
Yxy	70.2836, 0.2927, 0.3429
Android (android.graphics.Color)	4290438103 (0xFFBAE3D7)
YUV	213.3730, 0.8021, -24.0061
Hunter-Lab	83.8353, -18.9737, 5.8622

# Details

The Yxy color **70.2836, 0.2927, 0.3429** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5519, 0.3377, 0.3156**, and the grayscale version is **66.8153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **36.9486, 0.2879, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **67.3295, 0.2824, 0.3517**, and if you desaturate by 10%, it is **73.7091, 0.3036, 0.3349**.

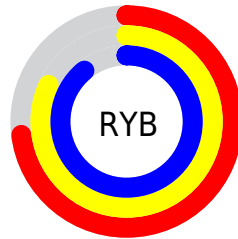
# Distribution



Red (73%)

Green (89%)

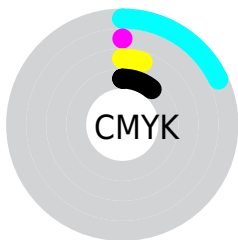
Blue (84%)



Red (73%)

Yellow (82%)

Blue (89%)

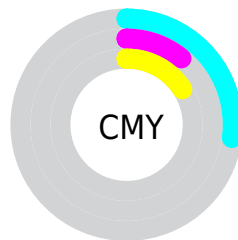


Cyan (18%)

Magenta (0%)

Yellow (5%)

Black (11%)



Cyan (27%)

Magenta (11%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2836, 0.2927, 0.3429 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 70.2836, 0.2927, 0.3429 by changing the saturation by 10% instead.





 70.2836, 0.2927,  
0.3429

 70.2836, 0.2927,  
0.3429

461.5451, 0.3020,  
0.3364

 51.7578, 0.2905,  
0.3444


 119.6131, 0.2960,  
0.3406

 36.8120, 0.2879,  
0.3463


151.1856, 0.2972,  
0.3397

 25.0620, 0.2845,  
0.3487


187.8757, 0.2983,  
0.3390

 16.1232, 0.2800,  
0.3518

230.0679, 0.2992,  
0.3383

 9.6114, 0.2738,  
0.3562

278.1465, 0.3001,  
0.3378

 5.1421, 0.2648,  
0.3627

332.4960, 0.3008,

 2.3309, 0.2504,

0.3373

393.5008, 0.3015,  
0.3368

0.3731

0.7900, 0.1923,  
0.4117

0.0000, 0.0000,  
0.0000

70.2836, 0.2927,  
0.3429

70.2836, 0.2927,  
0.3429

67.3295, 0.2824,  
0.3517

73.7091, 0.3036,  
0.3349

64.8166, 0.2732,  
0.3612


77.6172, 0.3150,  
0.3276

62.7247, 0.2652,  
0.3713


82.0297, 0.3265,  
0.3212

61.0285, 0.2587,  
0.3820


82.5811, 0.3227,  
0.3147


 59.6999, 0.2541,  
0.3930


 82.9873, 0.3183,  
0.3083


 58.7070, 0.2515,  
0.4042

 83.4082, 0.3140,  
0.3020

 58.0125, 0.2508,  
0.4154

 83.4140, 0.3140,  
0.3019

 57.5635, 0.2521,  
0.4264

 57.4885, 0.2524,  
0.4286

# Harmonies

## Analogous

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



70.2836, 0.3108, 0.3570



70.2836, 0.2927, 0.3429



70.2836, 0.2802, 0.3251

# Triad

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



70.2836, 0.2927, 0.3429



70.2836, 0.2951, 0.2971



70.2836, 0.3507, 0.3473

# Complementary

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



70.2836, 0.2927, 0.3429



55.5519, 0.3377, 0.3156

# 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.



70.2836, 0.3463, 0.3314



70.2836, 0.2927, 0.3429



70.2836, 0.3138, 0.3031

# Square

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



70.2836, 0.2927, 0.3429



70.2836, 0.2815, 0.2991



70.2836, 0.3326, 0.3155



70.2836, 0.3445, 0.3590



# Rectangle

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



70.2836, 0.2927, 0.3429



70.2836, 0.2765, 0.3139



70.2836, 0.3326, 0.3155



70.2836, 0.3504, 0.3423

# Sweetspot

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



70.2865, 0.2927, 0.3429



97.4232, 0.3070, 0.3326



70.5335, 0.3190, 0.3768



20.7778, 0.3062, 0.3332



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

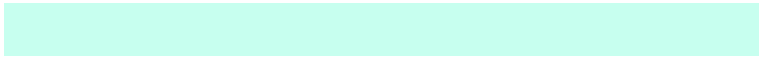


# Same Dimension

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



70.2865, 0.2927, 0.3429



89.8544, 0.2884, 0.3464



66.5537, 0.2851, 0.3194



16.2606, 0.3020, 0.3360



33.5514, 0.2519, 0.4269



2.4954, 0.2475, 0.4108



# Inverse Universe

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



55.5519, 0.3377, 0.3156



66.9847, 0.3448, 0.3123



58.5702, 0.3460, 0.3384



14.4371, 0.3247, 0.3221



9.7750, 0.5781, 0.2958

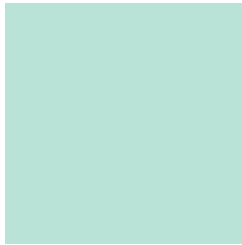


0.7381, 0.5364, 0.2729



# Previews

## White Background



This preview shows how the Yxy color 70.2836, 0.2927, 0.3429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

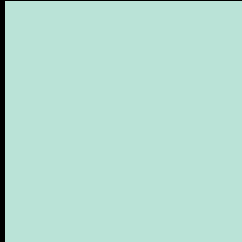
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.2836, 0.2927, 0.3429 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

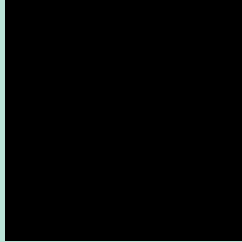
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

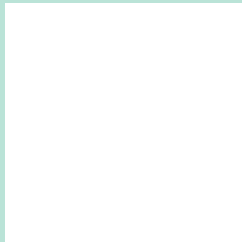
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.2836, 0.2927, 0.3429**

## Background



This preview shows how black text looks on a background with the Yxy color 70.2836, 0.2927, 0.3429.

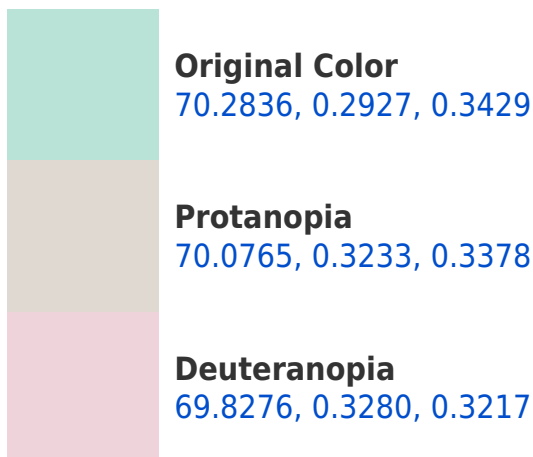


This preview shows how white text looks on a background with the Yxy color 70.2836, 0.2927, 0.3429.

# 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

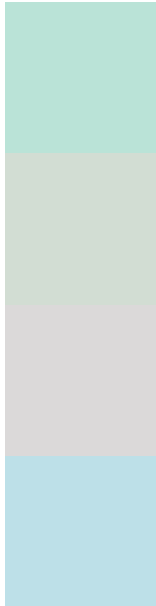




## **Tritanopia**

70.2026, 0.2804, 0.3088

# Trichromacy



## Original Color

70.2836, 0.2927, 0.3429

## Protanomaly

70.1177, 0.3115, 0.3402

## Deuteranomaly

69.6955, 0.3142, 0.3290

## Tritanomaly

69.9563, 0.2844, 0.3198

# Monochromacy



## Original Color

70.2836, 0.2927, 0.3429

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.6944, 0.3047, 0.3335

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2836, 0.2927, 0.3429 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(186, 227, 215)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 215)  
}
```

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(186, 227, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2836, 0.2927, 0.3429 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(186, 227, 215) }
```

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

```
.border{ border-color:rgb(186, 227, 215) }
```

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

Here you see how a box with a 4 pixel rgb(186, 227, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 215);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
215) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 70.2836, 0.2927, 0.3429$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 227, 215) }
```

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

```
.background{ background-color: rgb(186,  
227, 215) }
```

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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