

# Converting Colors

$Yxy(70.3881, 0.2948, 0.3475)$

Have a look what the booklet for  
Yxy(70.3881, 0.2948, 0.3475)  
contains.

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# Color

**Yxy(70.1307, 0.2945, 0.3465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE3D4
RGB	186, 227, 212
RGB Percent	73%, 89%, 83%
CMY	0.2704, 0.1098, 0.1687
CMYK	0.18, 0.00, 0.07, 0.11
HSL	158°, 42%, 81%
HSV	158°, 18%, 89%
XYZ	59.6060, 70.1307, 72.6607
YIQ	213.0310, -19.6210, -13.3570

# Conversions

## Conversions Part 2

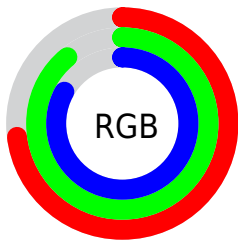
Format	Color
R <sub>YB</sub>	186, 211, 227
Decimal	12248020
CIE Lab	87.06, -16.25, 2.92
CIE LCh	87, 16.511, 169.823
Yxy	70.1307, 0.2945, 0.3465
Android (android.graphics.Color)	4290438100 (0xFFBAE3D4)
YUV	213.0310, -0.5083, -23.7062
Hunter-Lab	83.7441, -19.5022, 7.1778

# Details

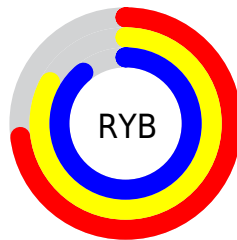
The Yxy color **70.1307, 0.2945, 0.3465** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6858, 0.3352, 0.3122**, and the grayscale version is **66.5795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **36.8449, 0.2902, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **67.1024, 0.2851, 0.3576**, and if you desaturate by 10%, it is **73.6382, 0.3045, 0.3364**.

# Distribution



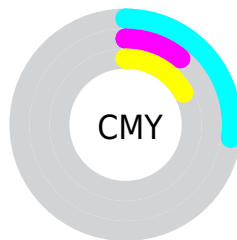
- Red (73%)
- Green (89%)
- Blue (83%)



- Red (73%)
- Yellow (83%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1307, 0.2945, 0.3465 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 70.1307, 0.2945, 0.3465 by changing the saturation by 10% instead.





 70.1307, 0.2945,  
0.3465

 70.1307, 0.2945,  
0.3465


461.0088, 0.3030,  
0.3383

 51.6331, 0.2925,  
0.3484

 119.3951, 0.2975,  
0.3436

 36.7127, 0.2901,  
0.3508


150.9307, 0.2986,  
0.3425

 24.9851, 0.2869,  
0.3539


187.5811, 0.2996,  
0.3415

 16.0660, 0.2828,  
0.3580

229.7307, 0.3005,  
0.3407

 9.5709, 0.2771,  
0.3637

277.7639, 0.3012,  
0.3400

 5.1154, 0.2687,  
0.3721

332.0650, 0.3019,

 2.3151, 0.2551,

0.3393

393.0185, 0.3025,  
0.3388

0.3859

0.7817, 0.1951,  
0.4404

0.0000, 0.0000,  
0.0000

70.1307, 0.2945,  
0.3465

70.1307, 0.2945,  
0.3465

67.1024, 0.2851,  
0.3576

73.6382, 0.3045,  
0.3364

64.5230, 0.2766,  
0.3697


77.6362, 0.3147,  
0.3273


62.3719, 0.2693,  
0.3827


82.1468, 0.3251,  
0.3192

60.6239, 0.2635,  
0.3963


82.8078, 0.3202,  
0.3111

 59.2506, 0.2595,  
0.4104


 83.3289, 0.3149,  
0.3032

 58.2199, 0.2575,  
0.4247

 83.4176, 0.3140,  
0.3019

 57.4943, 0.2575,  
0.4390

 57.0208, 0.2594,  
0.4529

 56.9420, 0.2599,  
0.4557

# Harmonies

## Analogous

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



70.1307, 0.3140, 0.3602



70.1307, 0.2945, 0.3465



70.1307, 0.2801, 0.3279

# Triad

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



70.1307, 0.2945, 0.3465



70.1307, 0.2914, 0.2953



70.1307, 0.3527, 0.3456

# Complementary

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



70.1307, 0.2945, 0.3465



55.6858, 0.3352, 0.3122

# 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.



70.1307, 0.3463, 0.3286



70.1307, 0.2945, 0.3465



70.1307, 0.3104, 0.3003

# Square

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



70.1307, 0.2945, 0.3465



70.1307, 0.2784, 0.2987



70.1307, 0.3306, 0.3123



70.1307, 0.3479, 0.3590



# Rectangle

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



70.1307, 0.2945, 0.3465



70.1307, 0.2752, 0.3158



70.1307, 0.3306, 0.3123



70.1307, 0.3518, 0.3401

# Sweetspot

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



70.1336, 0.2945, 0.3465



97.3638, 0.3075, 0.3335



71.0049, 0.3214, 0.3765



20.7634, 0.3068, 0.3342



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

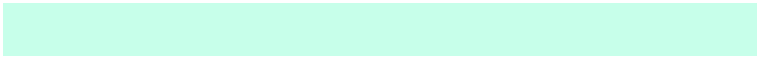


# Same Dimension

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



70.1336, 0.2945, 0.3465



89.6128, 0.2906, 0.3509



68.3499, 0.2853, 0.3234



16.2420, 0.3030, 0.3378



33.2323, 0.2593, 0.4536



2.4735, 0.2537, 0.4332



# Inverse Universe

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



55.6858, 0.3352, 0.3122



67.2010, 0.3416, 0.3081



57.0602, 0.3467, 0.3345



14.4550, 0.3235, 0.3204



9.9117, 0.5505, 0.2806

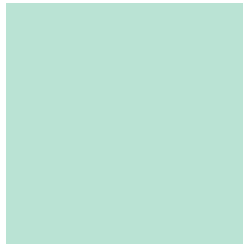


0.7499, 0.5104, 0.2585



# Previews

## White Background



This preview shows how the Yxy color 70.1307, 0.2945, 0.3465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

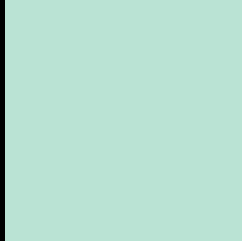
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1307, 0.2945, 0.3465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

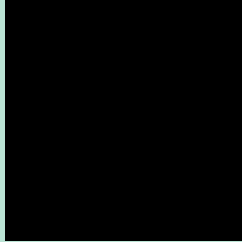
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

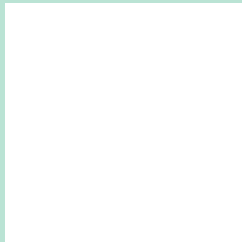
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1307, 0.2945, 0.3465**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1307, 0.2945, 0.3465.

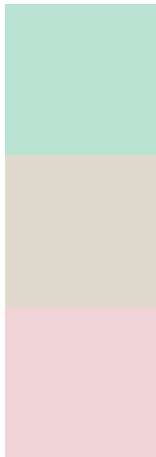


This preview shows how white text looks on a background with the Yxy color 70.1307, 0.2945, 0.3465.

# 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**

70.1307, 0.2945, 0.3465

**Protanopia**

69.9292, 0.3253, 0.3411

**Deuteranopia**

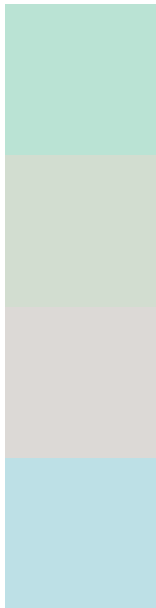
69.8456, 0.3309, 0.3248



## Tritanopia

70.2026, 0.2804, 0.3088

# Trichromacy



## Original Color

70.1307, 0.2945, 0.3465

## Protanomaly

69.9686, 0.3135, 0.3436

## Deuteranomaly

69.6964, 0.3169, 0.3323

## Tritanomaly

69.8433, 0.2856, 0.3221

# Monochromacy



## Original Color

70.1307, 0.2945, 0.3465

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.6434, 0.3053, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1307, 0.2945, 0.3465 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(186, 227, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 227, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1307, 0.2945, 0.3465 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, 212) }
```

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

```
.border{ border-color:rgb(186, 227, 212) }
```

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, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 227, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 227, 212);  
box-shadow:4px 4px 4px 4px rgb(186, 227,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1307, 0.2945, 0.3465 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, 212) }
```

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

```
.background{ background-color: rgb(186,  
227, 212) }
```

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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