

# Converting Colors

$Yxy(70.3254, 0.2988, 0.3562)$

Have a look what the booklet for  
Yxy(70.3254, 0.2988, 0.3562)  
contains.

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# Color

**Yxy(70.3337, 0.2987, 0.3560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE4CD
RGB	186, 228, 205
RGB Percent	73%, 89%, 80%
CMY	0.2706, 0.1059, 0.1961
CMYK	0.18, 0.00, 0.10, 0.11
HSL	147°, 44%, 81%
HSV	147°, 18%, 89%
XYZ	59.0131, 70.3337, 68.2197
YIQ	212.8200, -17.6490, -16.0570

# Conversions

## Conversions Part 2

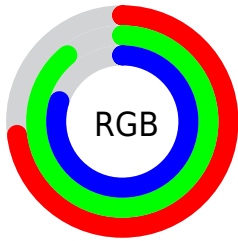
Format	Color
R <sub>YB</sub>	186, 215, 228
Decimal	12248269
CIE Lab	87.16, -18.10, 6.72
CIE LCh	87, 19.312, 159.622
Yxy	70.3337, 0.2987, 0.3560
Android (android.graphics.Color)	4290438349 (0xFFBAE4CD)
YUV	212.8200, -3.8553, -23.5211
Hunter-Lab	83.8652, -21.1596, 10.4765

# Details

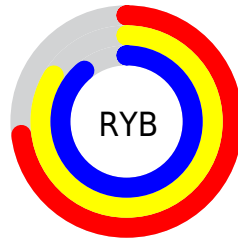
The Yxy color **70.3337, 0.2987, 0.3560** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.2199, 0.3296, 0.3035**, and the grayscale version is **66.4503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **36.6449, 0.2948, 0.3618** is the 20% darker color. If you saturate the color by 10%, you get **67.1256, 0.2915, 0.3730**, and if you desaturate by 10%, it is **74.0515, 0.3062, 0.3406**.

# Distribution



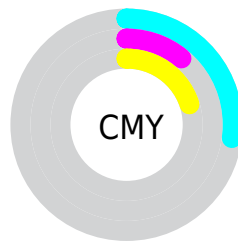
- Red (73%)
- Green (89%)
- Blue (80%)



- Red (73%)
- Yellow (84%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3337, 0.2987, 0.3560 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 70.3337, 0.2987, 0.3560 by changing the saturation by 10% instead.




 70.3337, 0.2987,  
0.3560

 70.3337, 0.2987,  
0.3560

461.7208, 0.3054,  
0.3432

 51.7986, 0.2971,  
0.3590

 119.6845, 0.3010,  
0.3515

 36.8446, 0.2952,  
0.3628


151.2690, 0.3019,  
0.3497

 25.0872, 0.2927,  
0.3677


187.9722, 0.3027,  
0.3483

 16.1420, 0.2893,  
0.3742

230.1783, 0.3034,  
0.3470

 9.6247, 0.2846,  
0.3833

278.2719, 0.3040,  
0.3458

 5.1508, 0.2776,  
0.3970


332.6372, 0.3045,

 2.3360, 0.2659,


0.3448


0.4200


393.6587, 0.3049,  
0.3440


 0.7927, 0.2081,  
0.5295

 0.0000, 0.0000,  
0.0000


 70.3337, 0.2987,  
0.3560


 70.3337, 0.2987,  
0.3560


 67.1256, 0.2915,  
0.3730


 74.0515, 0.3062,  
0.3406

 64.3957, 0.2851,  
0.3917


 78.2913, 0.3139,  
0.3269


 62.1224, 0.2796,  
0.4117


 83.0761, 0.3216,  
0.3148


 60.2791, 0.2754,  
0.4328


 83.9664, 0.3140,  
0.3029


 58.8362, 0.2730,  
0.4544

 83.9690, 0.3139,  
0.3029

 57.7601, 0.2724,  
0.4760

 57.0115, 0.2738,  
0.4967

 56.5335, 0.2769,  
0.5159

 56.4701, 0.2775,  
0.5189

# Harmonies

## Analogous

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



70.3337, 0.3222, 0.3688



70.3337, 0.2987, 0.3560



70.3337, 0.2795, 0.3353

# Triad

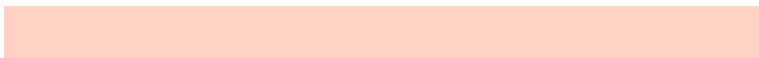
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3337, 0.2987, 0.3560



70.3337, 0.2817, 0.2900



70.3337, 0.3584, 0.3416

# Complementary

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



70.3337, 0.2987, 0.3560



56.2199, 0.3296, 0.3035

# 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.



70.3337, 0.3468, 0.3217



70.3337, 0.2987, 0.3560



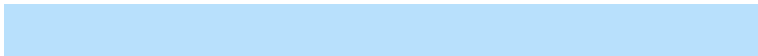
70.3337, 0.3019, 0.2926

# Square

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



70.3337, 0.2987, 0.3560



70.3337, 0.2699, 0.2972



70.3337, 0.3258, 0.3041



70.3337, 0.3572, 0.3593



# Rectangle

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



70.3337, 0.2987, 0.3560



70.3337, 0.2714, 0.3205



70.3337, 0.3258, 0.3041



70.3337, 0.3559, 0.3350

# Sweetspot

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



70.3366, 0.2987, 0.3560



96.6846, 0.3081, 0.3372



72.6052, 0.3266, 0.3768



20.6205, 0.3076, 0.3382



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

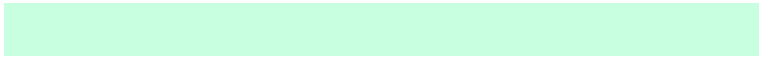


# Same Dimension

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



70.3366, 0.2987, 0.3560



89.0447, 0.2960, 0.3621



71.4148, 0.2863, 0.3313



16.1970, 0.3054, 0.3422



32.6299, 0.2767, 0.5161



2.4298, 0.2688, 0.4878



# Inverse Universe

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



56.2199, 0.3296, 0.3035



67.7535, 0.3338, 0.2981



55.2512, 0.3468, 0.3267



14.4995, 0.3207, 0.3162



10.4021, 0.4752, 0.2392

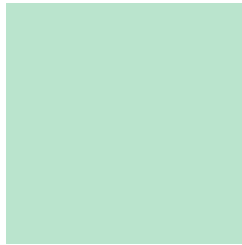


0.7874, 0.4465, 0.2233



# Previews

## White Background



This preview shows how the Yxy color 70.3337, 0.2987, 0.3560 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 70.3337, 0.2987, 0.3560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

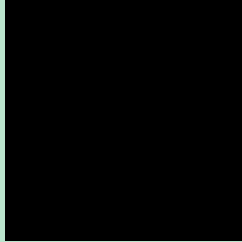
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

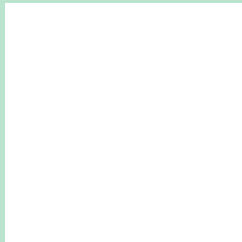
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.3337, 0.2987, 0.3560**

## Background



This preview shows how black text looks on a background with the Yxy color 70.3337, 0.2987, 0.3560.



This preview shows how white text looks on a background with the Yxy color 70.3337, 0.2987, 0.3560.

# 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

70.3337, 0.2987, 0.3560

### Protanopia

69.9180, 0.3317, 0.3488

### Deuteranopia

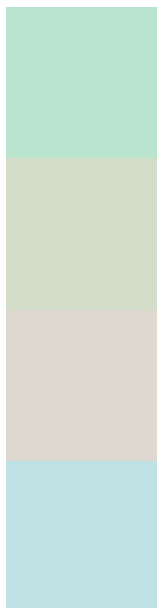
69.5739, 0.3377, 0.3301



## Tritanopia

70.3327, 0.2810, 0.3088

# Trichromacy



## Original Color

70.3337, 0.2987, 0.3560

## Protanomaly

69.7788, 0.3188, 0.3516

## Deuteranomaly

69.7094, 0.3225, 0.3389

## Tritanomaly

70.3990, 0.2874, 0.3255

# Monochromacy



## Original Color

70.3337, 0.2987, 0.3560

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.4925, 0.3073, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3337, 0.2987, 0.3560 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, 228, 205)` looks like.

```
.text, #text, p{  
    color:rgb(186, 228, 205)  
}
```

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, 228, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 228, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3337, 0.2987, 0.3560 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, 228, 205) }
```

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

```
.border{ border-color:rgb(186, 228, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 228, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 228, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 228, 205);  
box-shadow:4px 4px 4px 4px rgb(186, 228,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3337, 0.2987, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 228, 205) }
```

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

```
.background{ background-color: rgb(186,  
228, 205) }
```

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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