

Converting Colors

$Yxy(69.8117, 0.3019, 0.3584)$

Have a look what the booklet for
Yxy(69.8117, 0.3019, 0.3584)
contains.

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Color

Yxy(69.8938, 0.3018, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	BCE3CA
RGB	188, 227, 202
RGB Percent	74%, 89%, 79%
CMY	0.2630, 0.1097, 0.2078
CMYK	0.17, 0.00, 0.11, 0.11
HSL	142°, 41%, 81%
HSV	142°, 17%, 89%
XYZ	58.8559, 69.8938, 66.2665
YIQ	212.4890, -15.2190, -16.0430

Conversions

Conversions Part 2

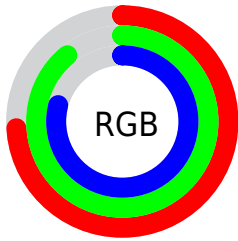
Format	Color
RYB	188, 217, 227
Decimal	12379082
CIELab	86.94, -17.55, 8.00
CIElCh	87, 19.291, 155.493
Yxy	69.8938, 0.3018, 0.3584
Android (android.graphics.Color)	4290569162 (0xFFBCE3CA)
YUV	212.4890, -5.1711, -21.4769
Hunter-Lab	83.6025, -20.6410, 11.5263

Details

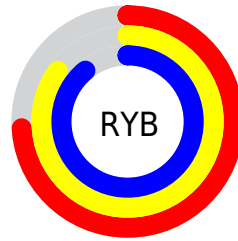
The Yxy color **69.8938, 0.3018, 0.3584** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.0726, 0.3255, 0.3013**, and the grayscale version is **66.2170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **36.7115, 0.2988, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **66.5818, 0.2957, 0.3782**, and if you desaturate by 10%, it is **73.7299, 0.3081, 0.3406**.

Distribution



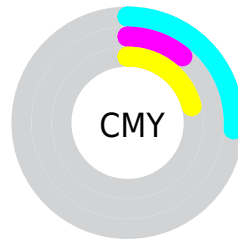
- Red (74%)
- Green (89%)
- Blue (79%)



- Red (74%)
- Yellow (85%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8938, 0.3018, 0.3584 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 69.8938, 0.3018, 0.3584 by changing the saturation by 10% instead.


 69.8938, 0.3018,
0.3584

 69.8938, 0.3018,
0.3584


460.1770, 0.3070,
0.3444

 51.4400, 0.3006,
0.3617

 119.0573, 0.3037,
0.3535

 36.5589, 0.2990,
0.3659


150.5357, 0.3044,
0.3516

 24.8661, 0.2970,
0.3712


187.1245, 0.3050,
0.3499

 15.9773, 0.2942,
0.3784

229.2080, 0.3055,
0.3485

 9.5081, 0.2904,
0.3884

277.1706, 0.3060,
0.3473

 5.0741, 0.2845,
0.4036

331.3967, 0.3064,

 2.2908, 0.2746,

0.3462

0.4291

392.2707, 0.3067,
0.3453

0.7688, 0.2241,
0.5700

0.0000, 0.0000,
0.0000

69.8938, 0.3018,
0.3584

69.8938, 0.3018,
0.3584

66.5818, 0.2957,
0.3782

73.7299, 0.3081,
0.3406

63.7622, 0.2902,
0.4000

78.1029, 0.3145,
0.3248

61.4132, 0.2855,
0.4235

82.8386, 0.3200,
0.3109

59.5080, 0.2819,
0.4481

83.4298, 0.3140,
0.3019

■ 58.0168, 0.2799,
0.4732

■ 56.9062, 0.2795,
0.4977

■ 56.1371, 0.2810,
0.5207

■ 55.6587, 0.2842,
0.5412

■ 55.5548, 0.2851,
0.5464

Harmonies

Analogous

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



69.8938, 0.3254, 0.3697



69.8938, 0.3018, 0.3584



69.8938, 0.2816, 0.3384

Triad

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



69.8938, 0.3018, 0.3584



69.8938, 0.2794, 0.2903



69.8938, 0.3576, 0.3389

Complementary

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



69.8938, 0.3018, 0.3584



57.0726, 0.3255, 0.3013

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.



69.8938, 0.3443, 0.3190



69.8938, 0.3018, 0.3584



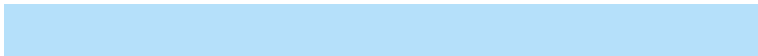
69.8938, 0.2988, 0.2917

Square

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



69.8938, 0.3018, 0.3584



69.8938, 0.2691, 0.2990



69.8938, 0.3225, 0.3021



69.8938, 0.3582, 0.3572

Rectangle

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



69.8938, 0.3018, 0.3584



69.8938, 0.2726, 0.3234



69.8938, 0.3225, 0.3021



69.8938, 0.3544, 0.3322

Sweetspot

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



69.8967, 0.3018, 0.3584



97.1470, 0.3095, 0.3370



72.7746, 0.3285, 0.3731



20.7107, 0.3091, 0.3381



0.0000, 0.0000, 0.0000



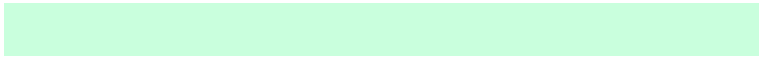
21.4041, 0.3127, 0.3290

Same Dimension

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



69.8967, 0.3018, 0.3584



89.2059, 0.2994, 0.3659



70.8612, 0.2902, 0.3357



16.1745, 0.3067, 0.3444



32.4132, 0.2844, 0.5437



2.4125, 0.2761, 0.5140

Inverse Universe

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



57.0726, 0.3255, 0.3013



69.2834, 0.3290, 0.2948



56.1569, 0.3409, 0.3225



14.5225, 0.3193, 0.3141



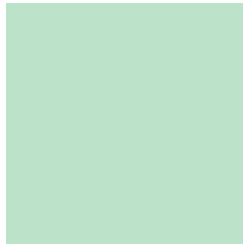
10.7447, 0.4375, 0.2184



0.8116, 0.4160, 0.2065

Previews

White Background



This preview shows how the Yxy color 69.8938, 0.3018, 0.3584 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 69.8938, 0.3018, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

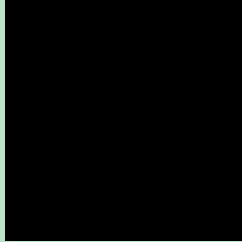
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

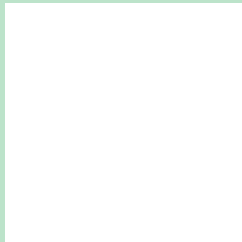
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8938, 0.3018, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 69.8938, 0.3018, 0.3584.

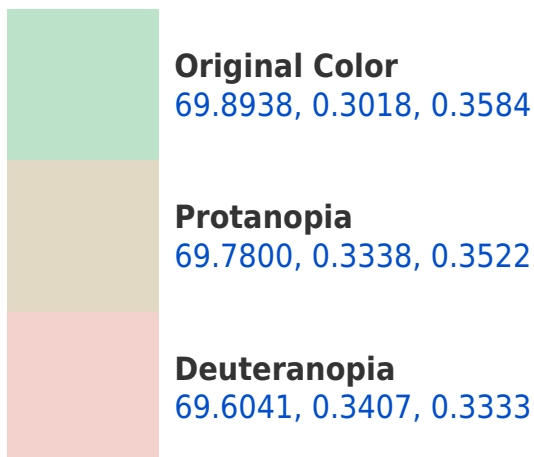


This preview shows how white text looks on a background with the Yxy color 69.8938, 0.3018, 0.3584.

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

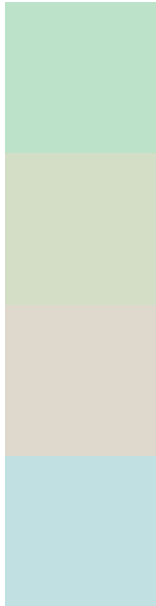




Tritanopia

70.0766, 0.2840, 0.3100

Trichromacy



Original Color

69.8938, 0.3018, 0.3584

Protanomaly

69.7872, 0.3215, 0.3551

Deuteranomaly

69.2075, 0.3254, 0.3412

Tritanomaly

70.0088, 0.2899, 0.3267

Monochromacy



Original Color

69.8938, 0.3018, 0.3584

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.8763, 0.3086, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8938, 0.3018, 0.3584 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(188, 227, 202)` looks like.

```
.text, #text, p{  
    color:rgb(188, 227, 202)  
}
```

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(188, 227, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 227, 202) }
```

Border

The CSS property to change the border of an element to Yxy 69.8938, 0.3018, 0.3584 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(188, 227, 202) }
```

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

```
.border{ border-color:rgb(188, 227, 202) }
```

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

Here you see how a box with a 4 pixel rgb(188, 227, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 227, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 227, 202);  
box-shadow:4px 4px 4px 4px rgb(188, 227,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8938, 0.3018, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 227, 202) }
```

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

```
.background{ background-color: rgb(188,  
227, 202) }
```

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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