

Converting Colors

$Yxy(70.9255, 0.2941, 0.3629)$

Have a look what the booklet for
Yxy(70.9255, 0.2941, 0.3629)
contains.

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Color

Yxy(70.8107, 0.2941, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	B1E7CB
RGB	177, 231, 203
RGB Percent	69%, 91%, 80%
CMY	0.3061, 0.0941, 0.2038
CMYK	0.23, 0.00, 0.12, 0.09
HSL	149°, 53%, 80%
HSV	149°, 23%, 91%
XYZ	57.4812, 70.8107, 67.1558
YIQ	211.6620, -23.1960, -20.1560

Conversions

Conversions Part 2

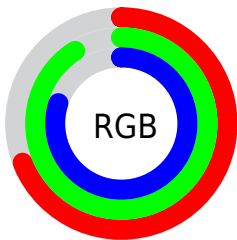
Format	Color
RYB	177, 213, 231
Decimal	11659211
CIELab	87.39, -22.83, 8.02
CIElCh	87, 24.197, 160.644
Yxy	70.8107, 0.2941, 0.3623
Android (android.graphics.Color)	4289849291 (0xFFB1E7CB)
YUV	211.6620, -4.2704, -30.3986
Hunter-Lab	84.1491, -25.3299, 11.5875

Details

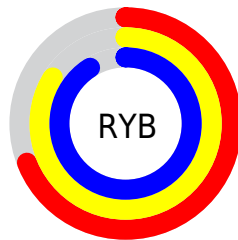
The Yxy color **70.8107, 0.2941, 0.3623** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.8211, 0.3367, 0.2980**, and the grayscale version is **65.6394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **37.0408, 0.2892, 0.3703** is the 20% darker color. If you saturate the color by 10%, you get **67.7791, 0.2869, 0.3791**, and if you desaturate by 10%, it is **74.3513, 0.3019, 0.3470**.

Distribution



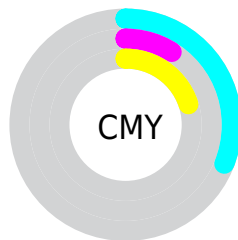
- Red (69%)
- Green (91%)
- Blue (80%)



- Red (69%)
- Yellow (84%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (31%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8107, 0.2941, 0.3623 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 70.8107, 0.2941, 0.3623 by changing the saturation by 10% instead.


 70.8107, 0.2941,
0.3623

 70.8107, 0.2941,
0.3623


463.3914, 0.3029,
0.3464

 52.1877, 0.2920,
0.3661


 120.3641, 0.2972,
0.3567

 37.1547, 0.2894,
0.3708


152.0634, 0.2984,
0.3545

 25.3273, 0.2861,
0.3768


188.8902, 0.2994,
0.3527

 16.3211, 0.2816,
0.3849

231.2290, 0.3003,
0.3511

 9.7516, 0.2754,
0.3963

279.4641, 0.3011,
0.3497

 5.2346, 0.2660,
0.4136

333.9799, 0.3018,

 2.3856, 0.2505,

0.3485

0.4424

395.1609, 0.3024,
0.3474

0.8184, 0.1611,
0.5976

0.0000, 0.0000,
0.0000

70.8107, 0.2941,
0.3623

70.8107, 0.2941,
0.3623

67.7791, 0.2869,
0.3791

74.3513, 0.3019,
0.3470

65.2236, 0.2805,
0.3974

78.4145, 0.3099,
0.3333

63.1209, 0.2754,
0.4168

83.0243, 0.3181,
0.3211

61.4423, 0.2718,
0.4370

85.3752, 0.3164,
0.3098

■ 60.1557, 0.2700,
0.4575

■ 85.6389, 0.3138,
0.3058

■ 59.2240, 0.2703,
0.4777

■ 58.6023, 0.2725,
0.4970

■ 58.3162, 0.2747,
0.5091

Harmonies

Analogous

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



70.8107, 0.3233, 0.3789



70.8107, 0.2941, 0.3623



70.8107, 0.2707, 0.3357

Triad

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



70.8107, 0.2941, 0.3623



70.8107, 0.2747, 0.2805



70.8107, 0.3702, 0.3451

Complementary

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



70.8107, 0.2941, 0.3623



52.8211, 0.3367, 0.2980

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.



70.8107, 0.3561, 0.3205



70.8107, 0.2941, 0.3623



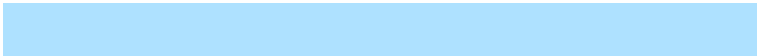
70.8107, 0.3000, 0.2844

Square

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



70.8107, 0.2941, 0.3623



70.8107, 0.2599, 0.2888



70.8107, 0.3299, 0.2988



70.8107, 0.3680, 0.3670

Rectangle

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



70.8107, 0.2941, 0.3623



70.8107, 0.2610, 0.3170



70.8107, 0.3299, 0.2988



70.8107, 0.3672, 0.3369

Sweetspot

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



70.8136, 0.2941, 0.3623



96.1895, 0.3070, 0.3381



73.4223, 0.3296, 0.3909



20.5216, 0.3065, 0.3389



0.0000, 0.0000, 0.0000



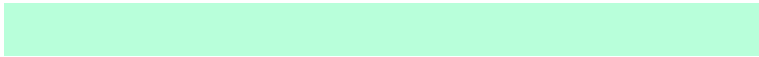
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8136, 0.2941, 0.3623



86.7252, 0.2906, 0.3701



72.1693, 0.2792, 0.3310



16.2044, 0.3050, 0.3414



32.7137, 0.2739, 0.5062



2.4361, 0.2664, 0.4789

Inverse Universe

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



52.8211, 0.3367, 0.2980



60.5719, 0.3429, 0.2914



51.6612, 0.3595, 0.3271



14.4920, 0.3212, 0.3169



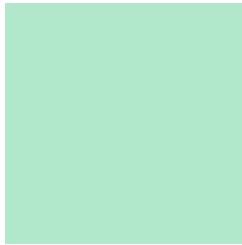
10.3039, 0.4880, 0.2462



0.7802, 0.4569, 0.2291

Previews

White Background



This preview shows how the Yxy color 70.8107, 0.2941, 0.3623 looks on a white background.

Color Contrast Check

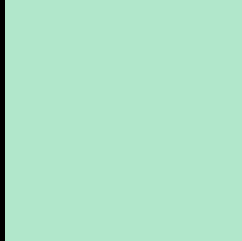
Large Text (above 18pt) WCAG AA × Fail

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 70.8107, 0.2941, 0.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

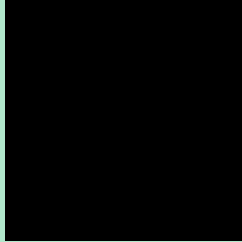
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

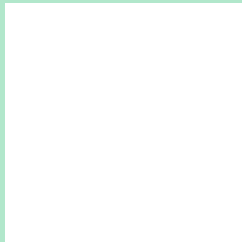
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8107, 0.2941, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 70.8107, 0.2941, 0.3623.

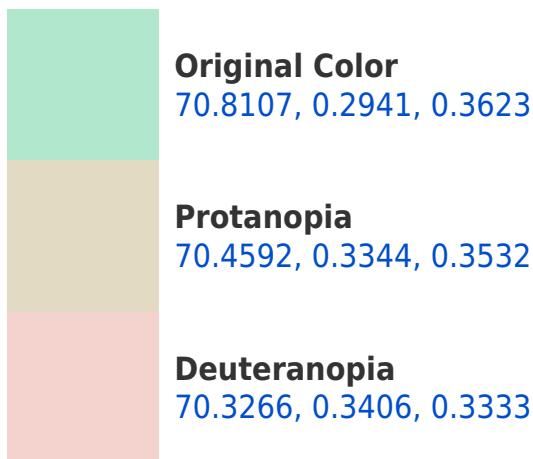


This preview shows how white text looks on a background with the Yxy color 70.8107, 0.2941, 0.3623.

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

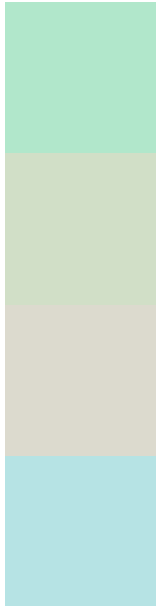




Tritanopia

70.6358, 0.2758, 0.3087

Trichromacy



Original Color

70.8107, 0.2941, 0.3623

Protanomaly

70.4542, 0.3185, 0.3563

Deuteranomaly

69.8147, 0.3223, 0.3423

Tritanomaly

70.4847, 0.2826, 0.3278

Monochromacy



Original Color

70.8107, 0.2941, 0.3623

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.4086, 0.3051, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8107, 0.2941, 0.3623 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(177, 231, 203)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 203)  
}
```

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(177, 231, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 203) }
```

Border

The CSS property to change the border of an element to Yxy 70.8107, 0.2941, 0.3623 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(177, 231, 203) }
```

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

```
.border{ border-color:rgb(177, 231, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 203);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8107, 0.2941, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 203) }
```

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

```
.background{ background-color: rgb(177,  
231, 203) }
```

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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