

Converting Colors

$Yxy(72.0653, 0.2978, 0.3693)$

Have a look what the booklet for
Yxy(72.0653, 0.2978, 0.3693)
contains.

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Color

Yxy(71.9851, 0.2978, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	B3E9C7
RGB	179, 233, 199
RGB Percent	70%, 91%, 78%
CMY	0.2981, 0.0862, 0.2197
CMYK	0.23, 0.00, 0.15, 0.09
HSL	142°, 55%, 81%
HSV	142°, 23%, 91%
XYZ	58.0324, 71.9851, 64.8528
YIQ	212.9780, -21.2700, -22.0220

Conversions

Conversions Part 2

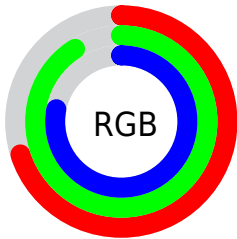
Format	Color
RYB	179, 218, 233
Decimal	11790791
CIELab	87.96, -23.93, 10.97
CIELCh	88, 26.326, 155.377
Yxy	71.9851, 0.2978, 0.3694
Android (android.graphics.Color)	4289980871 (0xFFB3E9C7)
YUV	212.9780, -6.8912, -29.7987
Hunter-Lab	84.8440, -26.3850, 14.0709

Details

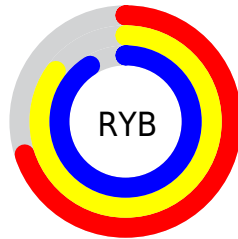
The Yxy color **71.9851, 0.2978, 0.3694** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.3636, 0.3314, 0.2918**, and the grayscale version is **66.5799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **37.8486, 0.2938, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **68.7934, 0.2919, 0.3901**, and if you desaturate by 10%, it is **75.7176, 0.3041, 0.3507**.

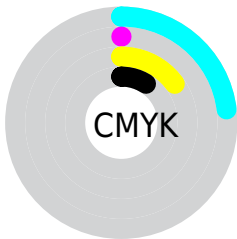
Distribution



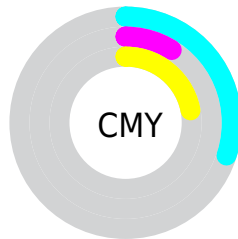
- Red (70%)
- Green (91%)
- Blue (78%)



- Red (70%)
- Yellow (85%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (30%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9851, 0.2978, 0.3694 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 71.9851, 0.2978, 0.3694 by changing the saturation by 10% instead.


 71.9851, 0.2978,
0.3694

 71.9851, 0.2978,
0.3694


467.4897, 0.3050,
0.3501

 53.1465, 0.2961,
0.3740


 122.0353, 0.3004,
0.3626

 37.9197, 0.2939,
0.3797

154.0158, 0.3013,
0.3600

 25.9204, 0.2911,
0.3871


191.1456, 0.3022,
0.3577

 16.7641, 0.2873,
0.3970

233.8093, 0.3029,
0.3558

 10.0664, 0.2820,
0.4109

282.3911, 0.3035,
0.3541

 5.4430, 0.2738,
0.4319


337.2755, 0.3041,

 2.5095, 0.2599,


0.3526


0.4671

398.8470, 0.3046,
0.3513


 0.8814, 0.1909,
0.6638


 0.0000, 0.0000,
0.0000


 71.9851, 0.2978,
0.3694


 71.9851, 0.2978,
0.3694


 68.7934, 0.2919,
0.3901


 75.7176, 0.3041,
0.3507


 66.1082, 0.2867,
0.4126


 80.0057, 0.3106,
0.3339


 63.9049, 0.2826,
0.4365


 84.8746, 0.3171,
0.3191


 62.1532, 0.2798,
0.4611

 86.7641, 0.3137,
0.3078

 60.8194, 0.2787,
0.4857

 59.8645, 0.2795,
0.5093

 59.2419, 0.2820,
0.5308

 58.9597, 0.2844,
0.5439

Harmonies

Analogous

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



71.9851, 0.3296, 0.3847



71.9851, 0.2978, 0.3694



71.9851, 0.2710, 0.3416

Triad

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



71.9851, 0.2978, 0.3694



71.9851, 0.2680, 0.2773



71.9851, 0.3736, 0.3416

Complementary

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



71.9851, 0.2978, 0.3694



54.3636, 0.3314, 0.2918

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.



71.9851, 0.3554, 0.3153



71.9851, 0.2978, 0.3694



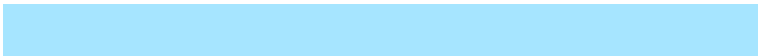
71.9851, 0.2936, 0.2794

Square

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



71.9851, 0.2978, 0.3694



71.9851, 0.2544, 0.2883



71.9851, 0.3256, 0.2931



71.9851, 0.3743, 0.3663

Rectangle

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



71.9851, 0.2978, 0.3694



71.9851, 0.2591, 0.3211



71.9851, 0.3256, 0.2931



71.9851, 0.3693, 0.3327

Sweetspot

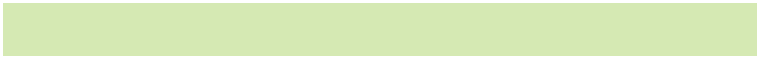
The Sweet Spot groups the original color and five complimentary colors.



71.9881, 0.2978, 0.3694



96.0672, 0.3081, 0.3401



75.7142, 0.3333, 0.3896



20.4933, 0.3077, 0.3411



0.0000, 0.0000, 0.0000



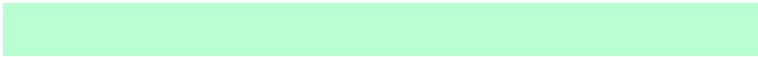
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9881, 0.2978, 0.3694



86.3152, 0.2948, 0.3794



73.3461, 0.2824, 0.3372



16.9543, 0.3065, 0.3442



33.4733, 0.2836, 0.5411



2.6465, 0.2758, 0.5130

Inverse Universe

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



54.3636, 0.3314, 0.2918



61.0086, 0.3364, 0.2835



53.1117, 0.3543, 0.3210



15.2137, 0.3194, 0.3143



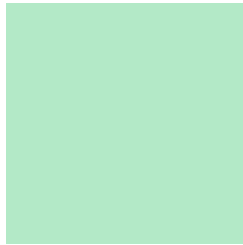
11.0459, 0.4417, 0.2207



0.8858, 0.4205, 0.2090

Previews

White Background



This preview shows how the Yxy color 71.9851, 0.2978, 0.3694 looks on a white background.

Color Contrast Check

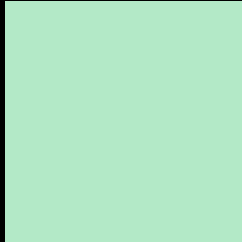
Large Text (above 18pt) WCAG AA × Fail

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 71.9851, 0.2978, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

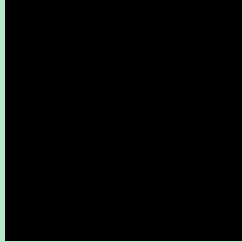
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

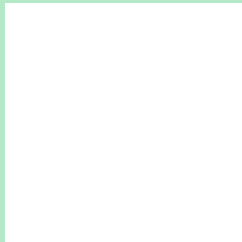
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9851, 0.2978, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 71.9851, 0.2978, 0.3694.

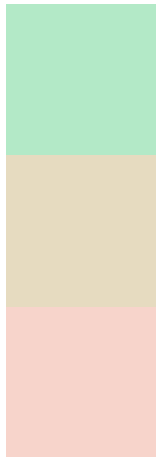


This preview shows how white text looks on a background with the Yxy color 71.9851, 0.2978, 0.3694.

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

71.9851, 0.2978, 0.3694

Protanopia

71.2918, 0.3394, 0.3585

Deuteranopia

71.1729, 0.3457, 0.3385



Tritanopia

72.0955, 0.2761, 0.3088

Trichromacy



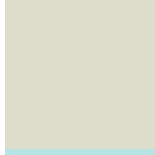
Original Color

71.9851, 0.2978, 0.3694



Protanomaly

71.1003, 0.3225, 0.3619



Deuteranomaly

70.9803, 0.3263, 0.3489



Tritanomaly

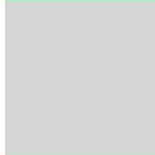
71.8304, 0.2839, 0.3301

Monochromacy



Original Color

71.9851, 0.2978, 0.3694



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.1580, 0.3071, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9851, 0.2978, 0.3694 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(179, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(179, 233, 199)  
}
```

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(179, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 233, 199) }
```

Border

The CSS property to change the border of an element to Yxy 71.9851, 0.2978, 0.3694 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(179, 233, 199) }
```

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

```
.border{ border-color:rgb(179, 233, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 233, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(179, 233,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9851, 0.2978, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 233, 199) }
```

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

```
.background{ background-color: rgb(179,  
233, 199) }
```

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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