

Converting Colors

$Yxy(70.8077, 0.3001, 0.3645)$

Have a look what the booklet for
Yxy(70.8077, 0.3001, 0.3645)
contains.

Yxy(70.8310, 0.2998, 0.3645)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8310, 0.2998, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	B7E6C8
RGB	183, 230, 200
RGB Percent	72%, 90%, 78%
CMY	0.2821, 0.0981, 0.2157
CMYK	0.20, 0.00, 0.13, 0.10
HSL	142°, 48%, 81%
HSV	142°, 20%, 90%
XYZ	58.2583, 70.8310, 65.2345
YIQ	212.5270, -18.3820, -19.2940

Conversions

Conversions Part 2

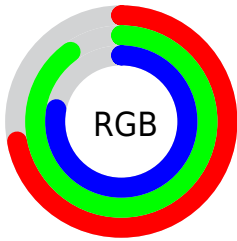
Format	Color
RYB	183, 218, 230
Decimal	12052168
CIELab	87.40, -20.98, 9.68
CIELCh	87, 23.099, 155.235
Yxy	70.8310, 0.2998, 0.3645
Android (android.graphics.Color)	4290242248 (0xFFB7E6C8)
YUV	212.5270, -6.1758, -25.8952
Hunter-Lab	84.1612, -23.7203, 12.9563

Details

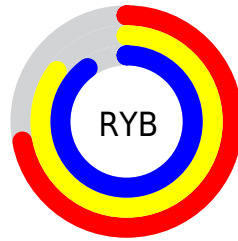
The Yxy color **70.8310, 0.2998, 0.3645** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **55.5187, 0.3284, 0.2960**, and the grayscale version is **66.2657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **37.0146, 0.2962, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **67.5845, 0.2939, 0.3850**, and if you desaturate by 10%, it is **74.6104, 0.3061, 0.3461**.

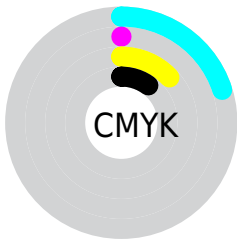
Distribution



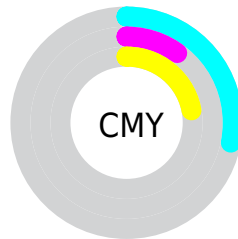
- Red (72%)
- Green (90%)
- Blue (78%)



- Red (72%)
- Yellow (85%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)





- Cyan (28%)
- Magenta (10%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8310, 0.2998, 0.3645 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 70.8310, 0.2998, 0.3645 by changing the saturation by 10% instead.


 70.8310, 0.2998,
0.3645

 70.8310, 0.2998,
0.3645


463.4624, 0.3060,
0.3476

 52.2043, 0.2983,
0.3685

 120.3931, 0.3020,
0.3585

 37.1679, 0.2964,
0.3735


152.0972, 0.3029,
0.3562

 25.3375, 0.2940,
0.3800


188.9293, 0.3036,
0.3542

 16.3287, 0.2908,
0.3887

231.2737, 0.3042,
0.3525

 9.7571, 0.2861,
0.4010

279.5148, 0.3047,
0.3511

 5.2382, 0.2791,
0.4195


334.0370, 0.3052,

 2.3877, 0.2670,


0.3498


395.2248, 0.3056,
0.3486


0.4505


 0.8195, 0.2050,
0.6293


 0.0000, 0.0000,
0.0000


 70.8310, 0.2998,
0.3645

 70.8310, 0.2998,
0.3645


 67.5845, 0.2939,
0.3850


 74.6104, 0.3061,
0.3461


 64.8378, 0.2885,
0.4073

 78.9365, 0.3125,
0.3296

 62.5678, 0.2842,
0.4312

 83.8334, 0.3188,
0.3151

 60.7458, 0.2811,
0.4561

 85.0706, 0.3138,
0.3048

■ 59.3400, 0.2795,
0.4811

■ 58.3144, 0.2798,
0.5052

■ 57.6260, 0.2818,
0.5275

■ 57.2145, 0.2851,
0.5464

Harmonies

Analogous

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



70.8310, 0.3279, 0.3779



70.8310, 0.2998, 0.3645



70.8310, 0.2759, 0.3403

Triad

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



70.8310, 0.2998, 0.3645



70.8310, 0.2730, 0.2832



70.8310, 0.3663, 0.3403

Complementary

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



70.8310, 0.2998, 0.3645



55.5187, 0.3284, 0.2960

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.



70.8310, 0.3502, 0.3169



70.8310, 0.2998, 0.3645



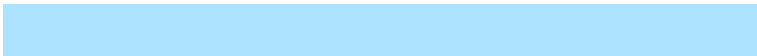
70.8310, 0.2958, 0.2848

Square

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



70.8310, 0.2998, 0.3645



70.8310, 0.2610, 0.2933



70.8310, 0.3241, 0.2970



70.8310, 0.3671, 0.3621

Rectangle

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



70.8310, 0.2998, 0.3645



70.8310, 0.2653, 0.3223



70.8310, 0.3241, 0.2970



70.8310, 0.3625, 0.3324

Sweetspot

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



70.8340, 0.2998, 0.3645



96.5987, 0.3089, 0.3386



74.2426, 0.3314, 0.3818



20.6002, 0.3084, 0.3397



0.0000, 0.0000, 0.0000



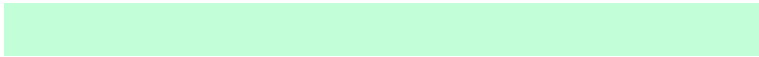
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8340, 0.2998, 0.3645



87.9142, 0.2975, 0.3719



71.9898, 0.2863, 0.3370



16.1747, 0.3067, 0.3444



32.4147, 0.2843, 0.5435



2.4126, 0.2761, 0.5138

Inverse Universe

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



55.5187, 0.3284, 0.2960



65.6336, 0.3319, 0.2897



54.4333, 0.3474, 0.3212



14.5224, 0.3193, 0.3141



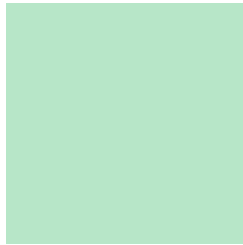
10.7418, 0.4378, 0.2185



0.8114, 0.4162, 0.2067

Previews

White Background



This preview shows how the Yxy color 70.8310, 0.2998, 0.3645 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 70.8310, 0.2998, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

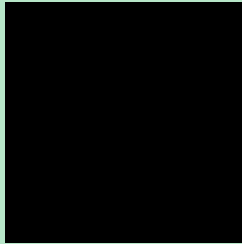
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

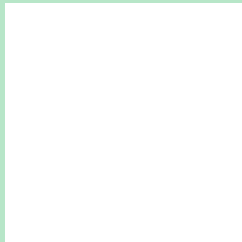
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8310, 0.2998, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 70.8310, 0.2998, 0.3645.

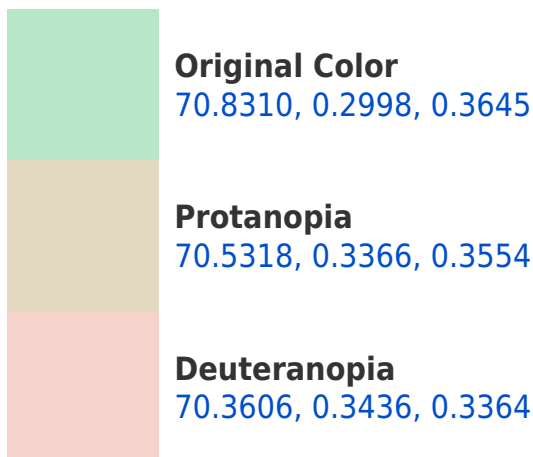


This preview shows how white text looks on a background with the Yxy color 70.8310, 0.2998, 0.3645.

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

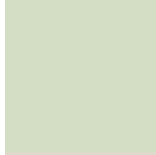
70.7985, 0.2799, 0.3088

Trichromacy



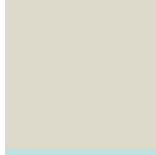
Original Color

70.8310, 0.2998, 0.3645



Protanomaly

70.2251, 0.3228, 0.3585



Deuteranomaly

69.9842, 0.3258, 0.3456



Tritanomaly

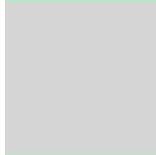
70.6301, 0.2868, 0.3278

Monochromacy



Original Color

70.8310, 0.2998, 0.3645



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

67.7737, 0.3079, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8310, 0.2998, 0.3645 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(183, 230, 200)` looks like.

```
.text, #text, p{  
    color:rgb(183, 230, 200)  
}
```

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(183, 230, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 230, 200) }
```

Border

The CSS property to change the border of an element to Yxy 70.8310, 0.2998, 0.3645 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(183, 230, 200) }
```

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

```
.border{ border-color:rgb(183, 230, 200) }
```

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

Here you see how a box with a 4 pixel rgb(183, 230, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 230, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 230, 200);  
box-shadow:4px 4px 4px 4px rgb(183, 230,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8310, 0.2998, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 230, 200) }
```

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

```
.background{ background-color: rgb(183,  
230, 200) }
```

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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