

Converting Colors

$Yxy(70.3067, 0.2913, 0.3683)$

Have a look what the booklet for
Yxy(70.3067, 0.2913, 0.3683)
contains.

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Color

Yxy(70.3184, 0.2910, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	A9E8C8
RGB	169, 232, 200
RGB Percent	66%, 91%, 78%
CMY	0.3370, 0.0902, 0.2158
CMYK	0.27, 0.00, 0.14, 0.09
HSL	149°, 58%, 79%
HSV	149°, 27%, 91%
XYZ	55.6504, 70.3184, 65.2697
YIQ	209.5150, -27.2760, -23.3080

Conversions

Conversions Part 2

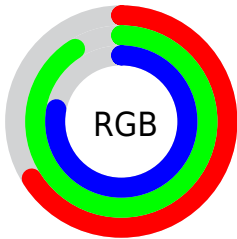
Format	Color
RYB	169, 211, 232
Decimal	11135176
CIELab	87.15, -26.33, 9.21
CIELCh	87, 27.898, 160.712
Yxy	70.3184, 0.2910, 0.3677
Android (android.graphics.Color)	4289325256 (0xFFA9E8C8)
YUV	209.5150, -4.6909, -35.5317
Hunter-Lab	83.8561, -28.2880, 12.5506

Details

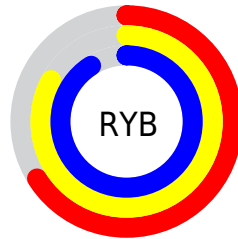
The Yxy color **70.3184, 0.2910, 0.3677** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **49.7717, 0.3420, 0.2934**, and the grayscale version is **64.1665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **36.7708, 0.2853, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **67.4473, 0.2840, 0.3848**, and if you desaturate by 10%, it is **73.6932, 0.2987, 0.3521**.

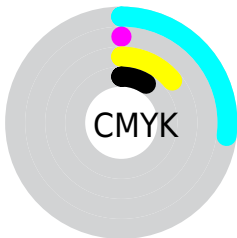
Distribution



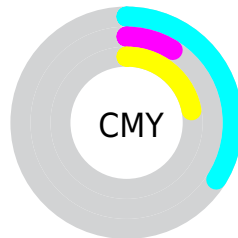
- Red (66%)
- Green (91%)
- Blue (78%)



- Red (66%)
- Yellow (83%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)





- Cyan (34%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3184, 0.2910, 0.3677 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 70.3184, 0.2910, 0.3677 by changing the saturation by 10% instead.

 70.3184, 0.2910,
0.3677

 70.3184, 0.2910,
0.3677


461.6672, 0.3014,
0.3492

 51.7862, 0.2886,
0.3721


 119.6627, 0.2947,
0.3611

 36.8346, 0.2855,
0.3776


151.2435, 0.2961,
0.3586

 25.0795, 0.2815,
0.3848


187.9427, 0.2973,
0.3565

 16.1363, 0.2763,
0.3944

230.1446, 0.2983,
0.3546

 9.6206, 0.2688,
0.4080

278.2336, 0.2992,
0.3530

 5.1482, 0.2577,
0.4285


332.5941, 0.3000,

 2.3345, 0.2390,


0.3516


0.4633

393.6105, 0.3007,
0.3503


 0.7919, 0.0981,
0.7072


 0.0000, 0.0000,
0.0000


 70.3184, 0.2910,
0.3677


 70.3184, 0.2910,
0.3677


 67.4473, 0.2840,
0.3848


 73.6932, 0.2987,
0.3521

 65.0462, 0.2779,
0.4031

 77.5861, 0.3068,
0.3381

 63.0907, 0.2733,
0.4225

 82.0218, 0.3151,
0.3256

 61.5506, 0.2703,
0.4426

 85.6978, 0.3187,
0.3142

■ 60.3919, 0.2692,
0.4627

■ 86.1911, 0.3138,
0.3068

■ 59.5746, 0.2701,
0.4824

■ 59.0472, 0.2730,
0.5010

■ 58.9257, 0.2739,
0.5061

Harmonies

Analogous

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



70.3184, 0.3246, 0.3871



70.3184, 0.2910, 0.3677



70.3184, 0.2642, 0.3365

Triad

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



70.3184, 0.2910, 0.3677



70.3184, 0.2690, 0.2734



70.3184, 0.3793, 0.3472

Complementary

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



70.3184, 0.2910, 0.3677



49.7717, 0.3420, 0.2934

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.



70.3184, 0.3629, 0.3191



70.3184, 0.2910, 0.3677



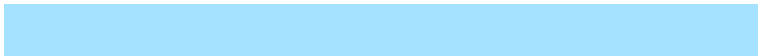
70.3184, 0.2980, 0.2780

Square

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



70.3184, 0.2910, 0.3677



70.3184, 0.2521, 0.2825



70.3184, 0.3326, 0.2944



70.3184, 0.3766, 0.3726

Rectangle

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



70.3184, 0.2910, 0.3677



70.3184, 0.2533, 0.3148



70.3184, 0.3326, 0.2944



70.3184, 0.3759, 0.3378

Sweetspot

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



70.3213, 0.2910, 0.3677



95.6837, 0.3061, 0.3393



73.0750, 0.3314, 0.4019



20.3170, 0.3048, 0.3413



0.0000, 0.0000, 0.0000



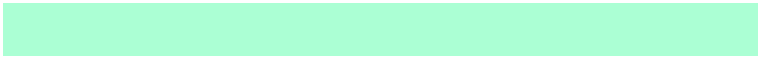
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3213, 0.2910, 0.3677



84.9244, 0.2867, 0.3778



71.9187, 0.2738, 0.3301



16.2066, 0.3049, 0.3412



32.7398, 0.2731, 0.5032



2.4381, 0.2656, 0.4762

Inverse Universe

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



49.7717, 0.3420, 0.2934



55.1666, 0.3508, 0.2851



48.4575, 0.3705, 0.3280



14.4897, 0.3213, 0.3171



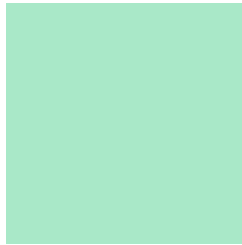
10.2761, 0.4917, 0.2483



0.7781, 0.4600, 0.2308

Previews

White Background



This preview shows how the Yxy color 70.3184, 0.2910, 0.3677 looks on a white background.

Color Contrast Check

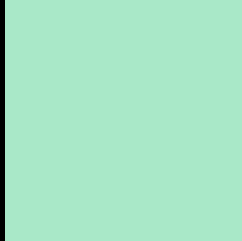
Large Text (above 18pt) WCAG AA × Fail

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 70.3184, 0.2910, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

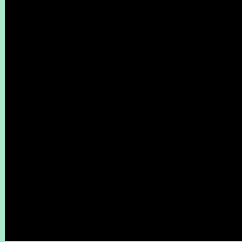
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

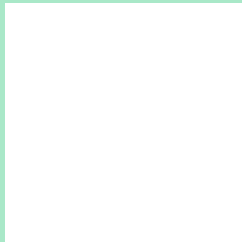
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3184, 0.2910, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 70.3184, 0.2910, 0.3677.

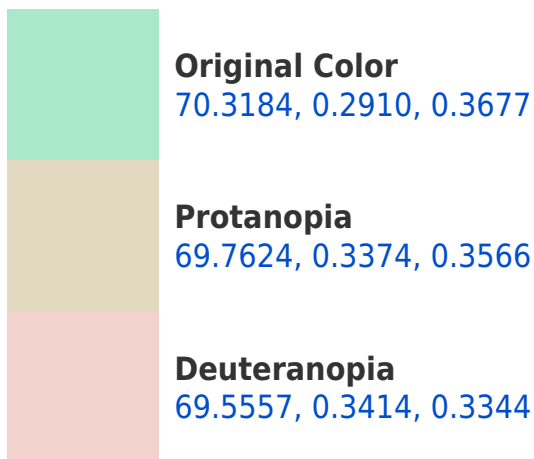


This preview shows how white text looks on a background with the Yxy color 70.3184, 0.2910, 0.3677.

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

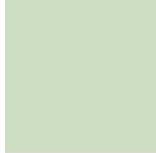
70.3893, 0.2712, 0.3085

Trichromacy



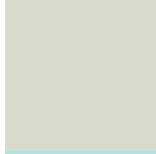
Original Color

70.3184, 0.2910, 0.3677



Protanomaly

69.3045, 0.3191, 0.3600



Deuteranomaly

69.0535, 0.3214, 0.3458



Tritanomaly

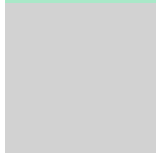
70.2022, 0.2784, 0.3289

Monochromacy



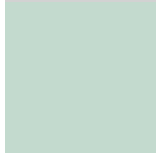
Original Color

70.3184, 0.2910, 0.3677



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.2011, 0.3042, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3184, 0.2910, 0.3677 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(169, 232, 200)` looks like.

```
.text, #text, p{  
    color:rgb(169, 232, 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(169, 232, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 232, 200) }
```

Border

The CSS property to change the border of an element to Yxy 70.3184, 0.2910, 0.3677 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(169, 232, 200) }
```

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

```
.border{ border-color:rgb(169, 232, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 232, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 232, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 232, 200);  
box-shadow:4px 4px 4px 4px rgb(169, 232,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3184, 0.2910, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 232, 200) }
```

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

```
.background{ background-color: rgb(169,  
232, 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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