

Converting Colors

$Yxy(71.9668, 0.2966, 0.3892)$

Have a look what the booklet for
Yxy(71.9668, 0.2966, 0.3892)
contains.

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Color

Yxy(71.6858, 0.2967, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	A6ECBB
RGB	166, 236, 187
RGB Percent	65%, 93%, 73%
CMY	0.3490, 0.0745, 0.2668
CMYK	0.30, 0.00, 0.21, 0.07
HSL	138°, 65%, 79%
HSV	138°, 30%, 93%
XYZ	54.6906, 71.6858, 57.9532
YIQ	209.4840, -25.9910, -30.0790

Conversions

Conversions Part 2

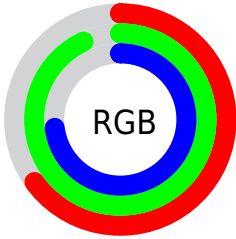
Format	Color
RYB	166, 220, 236
Decimal	10939579
CIELab	87.82, -31.61, 16.91
CIELCh	88, 35.854, 151.854
Yxy	71.6858, 0.2967, 0.3889
Android (android.graphics.Color)	4289129659 (0xFFA6ECBB)
YUV	209.4840, -11.0846, -38.1355
Hunter-Lab	84.6675, -32.8667, 18.6844

Details

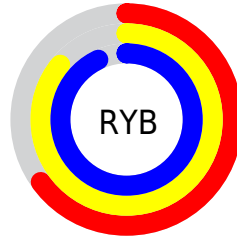
The Yxy color **71.6858, 0.2967, 0.3889** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **50.0195, 0.3337, 0.2759**, and the grayscale version is **64.1818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5207, 0.2994, 0.3412**, and **37.8085, 0.2920, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **68.7000, 0.2920, 0.4134**, and if you desaturate by 10%, it is **75.2271, 0.3019, 0.3665**.

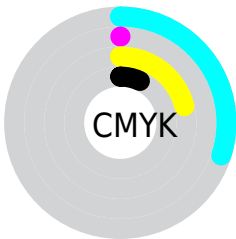
Distribution



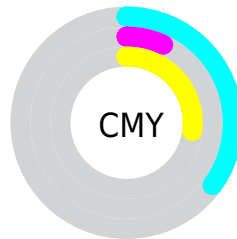
- Red (65%)
- Green (93%)
- Blue (73%)



- Red (65%)
- Yellow (86%)
- Blue (93%)



- Cyan (30%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)



- Cyan (35%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6858, 0.2967, 0.3889 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 71.6858, 0.2967, 0.3889 by changing the saturation by 10% instead.

71.6858, 0.2967,
0.3889

71.6858, 0.2967,
0.3889

466.4472, 0.3047,
0.3599

52.9021, 0.2947,
0.3958

121.6097, 0.2996,
0.3786

37.7246, 0.2922,
0.4046

153.5187, 0.3007,
0.3747

25.7690, 0.2888,
0.4159

190.5715, 0.3016,
0.3713

16.6509, 0.2842,
0.4312

233.1526, 0.3024,
0.3684

9.9859, 0.2774,
0.4529

281.6463, 0.3031,
0.3659

5.3896, 0.2666,
0.4860


336.4370, 0.3037,

2.4776, 0.2473,

0.3637


397.9092, 0.3042,
0.3617

0.5417


 0.8654, 0.0554,
0.9446


 0.0000, 0.0000,
0.0000


 71.6858, 0.2967,
0.3889


 71.6858, 0.2967,
0.3889


 68.7000, 0.2920,
0.4134


 75.2271, 0.3019,
0.3665


 66.2324, 0.2881,
0.4396

 79.3412, 0.3074,
0.3463

 64.2548, 0.2853,
0.4667

 84.0556, 0.3129,
0.3284

 62.7331, 0.2840,
0.4937

 88.3520, 0.3147,
0.3125

■ 61.6281, 0.2843,
0.5194

■ 88.4735, 0.3136,
0.3107

■ 60.8938, 0.2862,
0.5424

■ 60.4569, 0.2894,
0.5617

■ 60.4444, 0.2895,
0.5623

Harmonies

Analogous

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



71.6858, 0.3398, 0.4070



71.6858, 0.2967, 0.3889



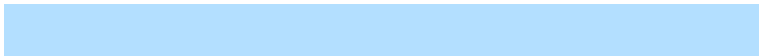
71.6858, 0.2596, 0.3509

Triad

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



71.6858, 0.2967, 0.3889



71.6858, 0.2494, 0.2604



71.6858, 0.3943, 0.3405

Complementary

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



71.6858, 0.2967, 0.3889



50.0195, 0.3337, 0.2759

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.



71.6858, 0.3668, 0.3062



71.6858, 0.2967, 0.3889



71.6858, 0.2817, 0.2617

Square

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



71.6858, 0.2967, 0.3889



71.6858, 0.2339, 0.2762



71.6858, 0.3246, 0.2782



71.6858, 0.3979, 0.3745

Rectangle

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



71.6858, 0.2967, 0.3889



71.6858, 0.2428, 0.3221



71.6858, 0.3246, 0.2782



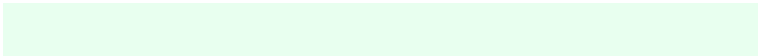
71.6858, 0.3875, 0.3288

Sweetspot

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



71.6888, 0.2967, 0.3889



94.9116, 0.3077, 0.3451



77.3726, 0.3431, 0.4068



20.1508, 0.3069, 0.3479



0.0000, 0.0000, 0.0000



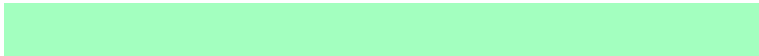
21.4041, 0.3127, 0.3290

Same Dimension

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



71.6888, 0.2967, 0.3889



83.0758, 0.2936, 0.4046



73.3139, 0.2779, 0.3468



16.9364, 0.3075, 0.3459



33.3365, 0.2887, 0.5595



2.6342, 0.2811, 0.5318

Inverse Universe

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



50.0195, 0.3337, 0.2759



53.0995, 0.3397, 0.2641



48.4545, 0.3646, 0.3122



15.2324, 0.3184, 0.3126



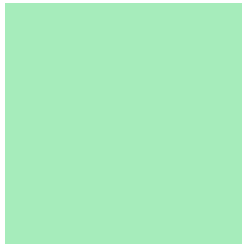
11.3576, 0.4142, 0.2056



0.9087, 0.3982, 0.1967

Previews

White Background



This preview shows how the Yxy color 71.6858, 0.2967, 0.3889 looks on a white background.

Color Contrast Check

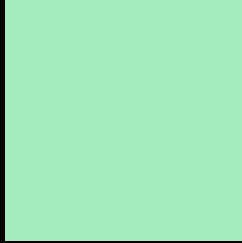
Large Text (above 18pt) WCAG AA × Fail

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 71.6858, 0.2967, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

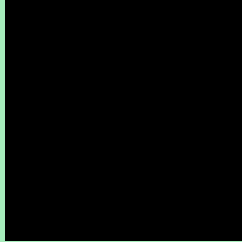
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6858, 0.2967, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 71.6858, 0.2967, 0.3889.

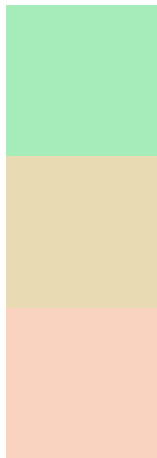


This preview shows how white text looks on a background with the Yxy color 71.6858, 0.2967, 0.3889.

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

71.6858, 0.2967, 0.3889

Protanopia

71.0735, 0.3501, 0.3728

Deuteranopia

70.7183, 0.3564, 0.3489



Tritanopia

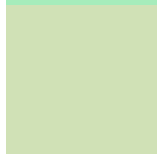
71.6056, 0.2704, 0.3086

Trichromacy



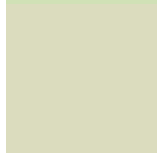
Original Color

71.6858, 0.2967, 0.3889



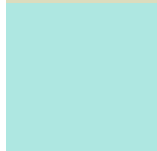
Protanomaly

70.6377, 0.3288, 0.3784



Deuteranomaly

69.9642, 0.3323, 0.3627



Tritanomaly

71.5867, 0.2798, 0.3359

Monochromacy



Original Color

71.6858, 0.2967, 0.3889



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.2175, 0.3061, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6858, 0.2967, 0.3889 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(166, 236, 187)` looks like.

```
.text, #text, p{  
    color:rgb(166, 236, 187)  
}
```

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(166, 236, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 236, 187) }
```

Border

The CSS property to change the border of an element to Yxy 71.6858, 0.2967, 0.3889 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(166, 236, 187) }
```

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

```
.border{ border-color:rgb(166, 236, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 236, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 236, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 236, 187);  
box-shadow:4px 4px 4px 4px rgb(166, 236,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6858, 0.2967, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 236, 187) }
```

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

```
.background{ background-color: rgb(166,  
236, 187) }
```

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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