

Converting Colors

$Yxy(67.7097, 0.3017, 0.3891)$

Have a look what the booklet for
Yxy(67.7097, 0.3017, 0.3891)
contains.

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Color

Yxy(67.6996, 0.3014, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	A8E5B5
RGB	168, 229, 181
RGB Percent	66%, 90%, 71%
CMY	0.3411, 0.1019, 0.2903
CMYK	0.27, 0.00, 0.21, 0.10
HSL	133°, 54%, 78%
HSV	133°, 27%, 90%
XYZ	52.5081, 67.6996, 54.0064
YIQ	205.2890, -20.9480, -27.8600

Conversions

Conversions Part 2

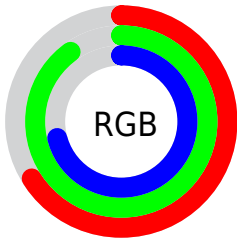
Format	Color
RYB	168, 218, 229
Decimal	11068853
CIELab	85.86, -28.77, 17.30
CIElCh	86, 33.568, 148.982
Yxy	67.6996, 0.3014, 0.3886
Android (android.graphics.Color)	4289258933 (0xFFA8E5B5)
YUV	205.2890, -11.9745, -32.7025
Hunter-Lab	82.2798, -30.0770, 18.6794

Details

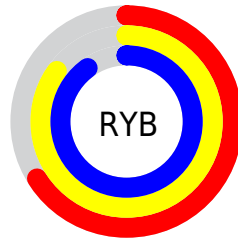
The Yxy color **67.6996, 0.3014, 0.3886** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.6271, 0.3265, 0.2760**, and the grayscale version is **61.3334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4817, 0.3039, 0.3474**, and **35.0231, 0.2976, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **64.7134, 0.2975, 0.4156**, and if you desaturate by 10%, it is **71.2299, 0.3056, 0.3640**.

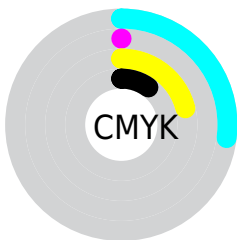
Distribution



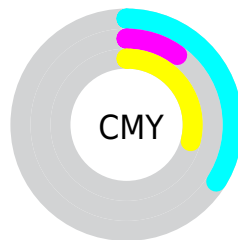
- Red (66%)
- Green (90%)
- Blue (71%)



- Red (66%)
- Yellow (85%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)




- Cyan (34%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6996, 0.3014, 0.3886 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 67.6996, 0.3014, 0.3886 by changing the saturation by 10% instead.


 67.6996, 0.3014,
0.3886

 67.6996, 0.3014,
0.3886


452.4309, 0.3073,
0.3595

 49.6534, 0.2999,
0.3956


 115.9223, 0.3036,
0.3782

 35.1381, 0.2979,
0.4045


 146.8676, 0.3044,
0.3742

 23.7692, 0.2952,
0.4162


182.8813, 0.3051,
0.3709

 15.1625, 0.2915,
0.4319


224.3479, 0.3056,
0.3680

 8.9335, 0.2858,
0.4546

271.6518, 0.3061,
0.3655

 4.6979, 0.2763,
0.4895

325.1773, 0.3066,

 2.0711, 0.2596,

0.3632

0.5530

385.3089, 0.3069,
0.3613

0.6483, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.6996, 0.3014,
0.3886

67.6996, 0.3014,
0.3886

64.7134, 0.2975,
0.4156

71.2299, 0.3056,
0.3640

62.2359, 0.2941,
0.4445

75.3206, 0.3099,
0.3421

60.2406, 0.2916,
0.4744

79.9982, 0.3141,
0.3228

58.6955, 0.2901,
0.5040

84.3993, 0.3151,
0.3057

■ 57.5642, 0.2900,
0.5316

■ 84.5210, 0.3139,
0.3039

■ 56.8047, 0.2912,
0.5556

■ 56.3644, 0.2935,
0.5745

■ 56.2603, 0.2944,
0.5797

Harmonies

Analogous

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



67.6996, 0.3426, 0.4036



67.6996, 0.3014, 0.3886



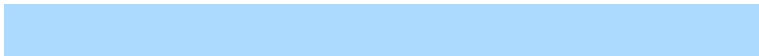
67.6996, 0.2649, 0.3538

Triad

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



67.6996, 0.3014, 0.3886



67.6996, 0.2500, 0.2641



67.6996, 0.3889, 0.3370

Complementary

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



67.6996, 0.3014, 0.3886



49.6271, 0.3265, 0.2760

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.



67.6996, 0.3608, 0.3044



67.6996, 0.3014, 0.3886



67.6996, 0.2796, 0.2637

Square

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



67.6996, 0.3014, 0.3886



67.6996, 0.2367, 0.2810



67.6996, 0.3200, 0.2783



67.6996, 0.3947, 0.3698

Rectangle

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



67.6996, 0.3014, 0.3886



67.6996, 0.2477, 0.3264



67.6996, 0.3200, 0.2783



67.6996, 0.3817, 0.3257

Sweetspot

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



67.7024, 0.3014, 0.3886



95.3426, 0.3093, 0.3450



73.5904, 0.3438, 0.3975



20.2314, 0.3086, 0.3483



0.0000, 0.0000, 0.0000



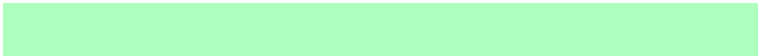
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7024, 0.3014, 0.3886



84.2008, 0.2992, 0.4033



69.0553, 0.2841, 0.3510



16.1391, 0.3087, 0.3480



32.1799, 0.2937, 0.5774



2.3915, 0.2863, 0.5507

Inverse Universe

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



49.6271, 0.3265, 0.2760



57.4528, 0.3301, 0.2647



48.2260, 0.3529, 0.3082



14.5600, 0.3170, 0.3107



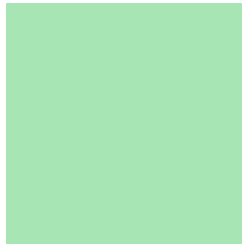
11.4334, 0.3831, 0.1884



0.8580, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 67.6996, 0.3014, 0.3886 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 67.6996, 0.3014, 0.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

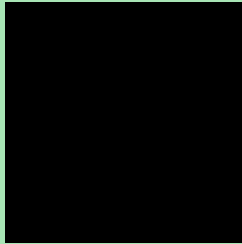
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6996, 0.3014, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 67.6996, 0.3014, 0.3886.

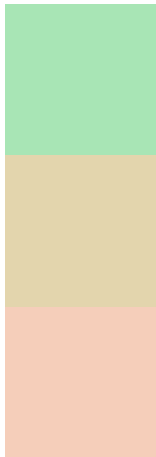


This preview shows how white text looks on a background with the Yxy color 67.6996, 0.3014, 0.3886.

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

67.6996, 0.3014, 0.3886

Protanopia

66.9365, 0.3519, 0.3738

Deuteranopia

67.1003, 0.3582, 0.3504



Tritanopia

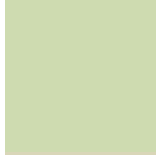
67.5286, 0.2740, 0.3082

Trichromacy



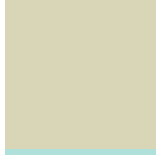
Original Color

67.6996, 0.3014, 0.3886



Protanomaly

66.9194, 0.3322, 0.3793



Deuteranomaly

66.3055, 0.3359, 0.3633



Tritanomaly

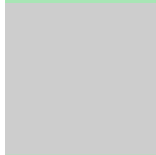
67.4872, 0.2838, 0.3360

Monochromacy



Original Color

67.6996, 0.3014, 0.3886



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.2851, 0.3088, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6996, 0.3014, 0.3886 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(168, 229, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 229, 181)  
}
```

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(168, 229, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 229, 181) }
```

Border

The CSS property to change the border of an element to Yxy 67.6996, 0.3014, 0.3886 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(168, 229, 181) }
```

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

```
.border{ border-color:rgb(168, 229, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 229, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 229, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 229, 181); box-shadow:4px 4px 4px 4px rgb(168, 229, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6996, 0.3014, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 229, 181) }
```

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

```
.background{ background-color: rgb(168,  
229, 181) }
```

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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