

Converting Colors

$Yxy(68.6669, 0.2827, 0.3487)$

Have a look what the booklet for
Yxy(68.6669, 0.2827, 0.3487)
contains.

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Color

Yxy(68.4558, 0.2826, 0.3482)

Conversions

Conversions Part 1

Format	Color
Hex	A7E4D4
RGB	167, 228, 212
RGB Percent	65%, 89%, 83%
CMY	0.3452, 0.1058, 0.1685
CMYK	0.27, 0.00, 0.07, 0.11
HSL	164°, 53%, 77%
HSV	164°, 27%, 89%
XYZ	55.5589, 68.4558, 72.5844
YIQ	207.9370, -31.2200, -17.9080

Conversions

Conversions Part 2

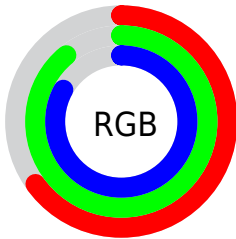
Format	Color
RYB	167, 202, 228
Decimal	11003092
CIELab	86.23, -22.60, 1.55
CIElCh	86, 22.653, 176.070
Yxy	68.4558, 0.2826, 0.3482
Android (android.graphics.Color)	4289193172 (0xFFA7E4D4)
YUV	207.9370, 2.0031, -35.9017
Hunter-Lab	82.7380, -24.9281, 5.9027

Details

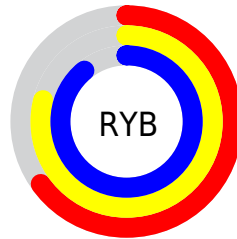
The Yxy color **68.4558, 0.2826, 0.3482** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.5361, 0.3553, 0.3107**, and the grayscale version is **63.0329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **35.4501, 0.2754, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **65.8951, 0.2728, 0.3566**, and if you desaturate by 10%, it is **71.4710, 0.2933, 0.3405**.

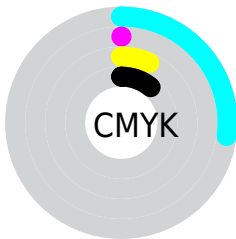
Distribution



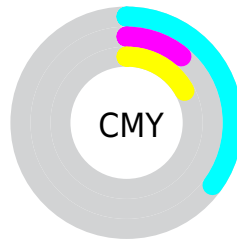
- Red (65%)
- Green (89%)
- Blue (83%)



- Red (65%)
- Yellow (79%)
- Blue (89%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)




- Cyan (35%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4558, 0.2826, 0.3482 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 68.4558, 0.2826, 0.3482 by changing the saturation by 10% instead.


 68.4558, 0.2826,
0.3482


 68.4558, 0.2826,
0.3482

455.1092, 0.2967,
0.3392

 50.2686, 0.2793,
0.3503

 117.0040, 0.2875,
0.3450

 35.6269, 0.2753,
0.3529


 148.1337, 0.2894,
0.3438

 24.1462, 0.2701,
0.3563


184.3465, 0.2911,
0.3428

 15.4421, 0.2633,
0.3607

226.0267, 0.2925,
0.3419

 9.1302, 0.2539,
0.3669

273.5587, 0.2937,
0.3411

 4.8262, 0.2401,
0.3760

327.3268, 0.2948,

 2.1457, 0.2181,

0.3404

0.3909

387.7156, 0.2958,
0.3397

0.6901, 0.0725,
0.4802

0.0000, 0.0000,
0.0000

68.4558, 0.2826,
0.3482

68.4558, 0.2826,
0.3482

65.8951, 0.2728,
0.3566

71.4710, 0.2933,
0.3405

63.7574, 0.2644,
0.3655

74.9537, 0.3047,
0.3334


62.0203, 0.2575,
0.3749


78.9268, 0.3166,
0.3270


60.6558, 0.2523,
0.3846


82.8037, 0.3263,
0.3212

 59.6324, 0.2492,
0.3945

 83.1565, 0.3224,
0.3154

 58.9131, 0.2481,
0.4044

 83.5211, 0.3185,
0.3097

 58.4506, 0.2488,
0.4142

 83.8975, 0.3147,
0.3040

 58.3306, 0.2493,
0.4173

 83.9728, 0.3139,
0.3029

Harmonies

Analogous

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



68.4558, 0.3083, 0.3697



68.4558, 0.2826, 0.3482



68.4558, 0.2653, 0.3217

Triad

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



68.4558, 0.2826, 0.3482



68.4558, 0.2881, 0.2835



68.4558, 0.3681, 0.3557

Complementary

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



68.4558, 0.2826, 0.3482



47.5361, 0.3553, 0.3107

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.



68.4558, 0.3624, 0.3330



68.4558, 0.2826, 0.3482



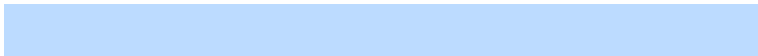
68.4558, 0.3152, 0.2926

Square

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



68.4558, 0.2826, 0.3482



68.4558, 0.2684, 0.2854



68.4558, 0.3427, 0.3103



68.4558, 0.3582, 0.3729

Rectangle

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



68.4558, 0.2826, 0.3482



68.4558, 0.2605, 0.3056



68.4558, 0.3427, 0.3103



68.4558, 0.3680, 0.3485

Sweetspot

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



68.4586, 0.2826, 0.3482



95.9947, 0.3033, 0.3343



68.3783, 0.3203, 0.4033



20.3954, 0.3015, 0.3353



0.0000, 0.0000, 0.0000



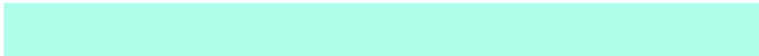
21.4041, 0.3127, 0.3290

Same Dimension

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



68.4586, 0.2826, 0.3482



86.3689, 0.2772, 0.3527



61.7882, 0.2721, 0.3117



16.2685, 0.3016, 0.3352



33.6991, 0.2488, 0.4158



2.5053, 0.2449, 0.4015

Inverse Universe

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



47.5361, 0.3553, 0.3107



55.2307, 0.3672, 0.3069



52.4162, 0.3661, 0.3456



14.4297, 0.3251, 0.3229



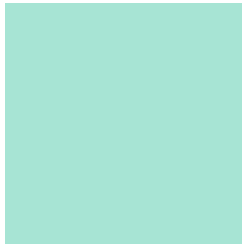
9.7275, 0.5886, 0.3016



0.7338, 0.5470, 0.2787

Previews

White Background



This preview shows how the Yxy color 68.4558, 0.2826, 0.3482 looks on a white background.

Color Contrast Check

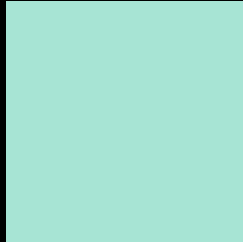
Large Text (above 18pt) WCAG AA × Fail

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 68.4558, 0.2826, 0.3482 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

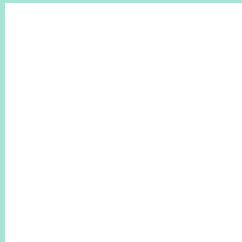
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4558, 0.2826, 0.3482

Background



This preview shows how black text looks on a background with the Yxy color 68.4558, 0.2826, 0.3482.

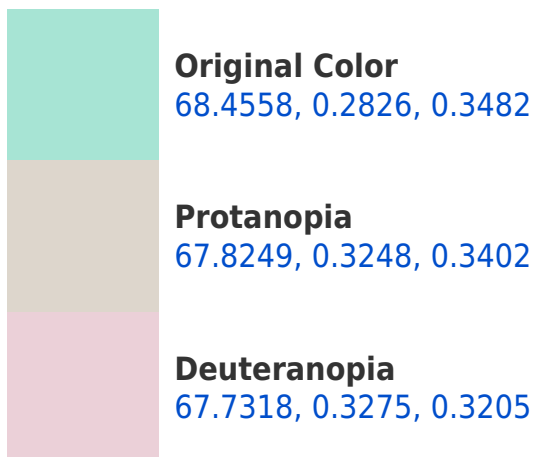


This preview shows how white text looks on a background with the Yxy color 68.4558, 0.2826, 0.3482.

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

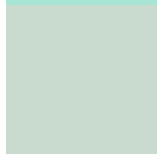
68.6064, 0.2692, 0.3082

Trichromacy



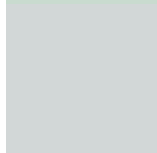
Original Color

68.4558, 0.2826, 0.3482



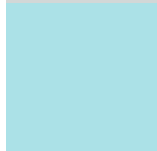
Protanomaly

67.5855, 0.3078, 0.3428



Deuteranomaly

67.2088, 0.3091, 0.3290



Tritanomaly

68.2779, 0.2741, 0.3219

Monochromacy



Original Color

68.4558, 0.2826, 0.3482



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.5418, 0.3009, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4558, 0.2826, 0.3482 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(167, 228, 212)` looks like.

```
.text, #text, p{  
    color:rgb(167, 228, 212)  
}
```

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(167, 228, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 228, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.4558, 0.2826, 0.3482 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(167, 228, 212) }
```

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

```
.border{ border-color:rgb(167, 228, 212) }
```

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

Here you see how a box with a 4 pixel rgb(167, 228, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 228, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 228, 212);  
box-shadow:4px 4px 4px 4px rgb(167, 228,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4558, 0.2826, 0.3482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 228, 212) }
```

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

```
.background{ background-color: rgb(167,  
228, 212) }
```

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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