

Converting Colors

$Yxy(69.9784, 0.2868, 0.3706)$

Have a look what the booklet for
Yxy(69.9784, 0.2868, 0.3706)
contains.

| | |
|---|----|
| Yxy(69.9784, 0.2868, 0.3706) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(69.9784, 0.2868, 0.3706)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A1E9C7 |
| RGB | 161, 233, 199 |
| RGB Percent | 63%, 91%, 78% |
| CMY | 0.3684, 0.0863, 0.2196 |
| CMYK | 0.31, 0.00, 0.15, 0.09 |
| HSL | 152°, 62%, 77% |
| HSV | 152°, 31%, 91% |
| XYZ | 54.1549, 69.9784, 64.6913 |
| YIQ | 207.5960, -31.9980, -25.8380 |

Conversions

Conversions Part 2

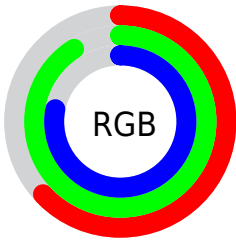
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 161, 208, 233 |
| Decimal | 10611143 |
| CIELab | 86.99, -29.39, 9.43 |
| CIELCh | 87, 30.870, 162.218 |
| Yxy | 69.9784, 0.2868, 0.3706 |
| Android (android.graphics.Color) | 4288801223 (0xFFA1E9C7) |
| YUV | 207.5960, -4.2378, -40.8647 |
| Hunter-Lab | 83.6531, -30.8365, 12.7065 |

Details

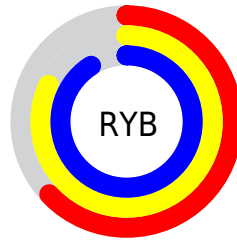
The Yxy color **69.9784, 0.2868, 0.3706** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **46.7746, 0.3498, 0.2911**, and the grayscale version is **62.8542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **36.6144, 0.2803, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **67.2879, 0.2797, 0.3868**, and if you desaturate by 10%, it is **73.1627, 0.2947, 0.3557**.

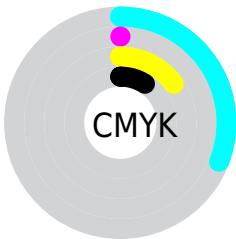
Distribution



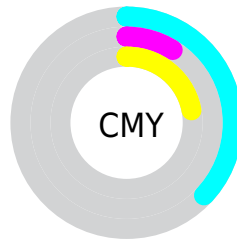
- Red (63%)
- Green (91%)
- Blue (78%)



- Red (63%)
- Yellow (82%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (37%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9784, 0.2868, 0.3706 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 69.9784, 0.2868, 0.3706 by changing the saturation by 10% instead.


 69.9784, 0.2868,
0.3706


 69.9784, 0.2868,
0.3706


460.4742, 0.2992,
0.3506

 51.5089, 0.2839,
0.3754


 119.1780, 0.2912,
0.3635

 36.6138, 0.2802,
0.3813


 150.6768, 0.2928,
0.3608

 24.9086, 0.2755,
0.3891


187.2876, 0.2943,
0.3585

 16.0090, 0.2692,
0.3995

229.3947, 0.2955,
0.3565

 9.5305, 0.2604,
0.4142

277.3825, 0.2966,
0.3547

 5.0888, 0.2472,
0.4367


331.6354, 0.2975,

 2.2995, 0.2252,

0.3532


0.4747


392.5379, 0.2984,
0.3518


 0.7734, 0.0180,
0.7941


 0.0000, 0.0000,
0.0000


 69.9784, 0.2868,
0.3706


 69.9784, 0.2868,
0.3706

 67.2879, 0.2797,
0.3868


 73.1627, 0.2947,
0.3557


 65.0567, 0.2738,
0.4042


 76.8561, 0.3032,
0.3421

 63.2593, 0.2694,
0.4224


 81.0837, 0.3119,
0.3300

 61.8641, 0.2668,
0.4411


 85.8666, 0.3208,
0.3192

 60.8351, 0.2662,
0.4597

 86.6927, 0.3143,
0.3087

 60.1291, 0.2677,
0.4779

 86.7541, 0.3137,
0.3078

 59.7024, 0.2705,
0.4937

Harmonies

Analogous

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



69.9784, 0.3237, 0.3932



69.9784, 0.2868, 0.3706



69.9784, 0.2580, 0.3352

Triad

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



69.9784, 0.2868, 0.3706



69.9784, 0.2658, 0.2676



69.9784, 0.3870, 0.3503

Complementary

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



69.9784, 0.2868, 0.3706



46.7746, 0.3498, 0.2911

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.



69.9784, 0.3698, 0.3194



69.9784, 0.2868, 0.3706



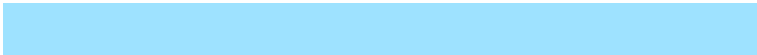
69.9784, 0.2982, 0.2735

Square

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



69.9784, 0.2868, 0.3706



69.9784, 0.2465, 0.2766



69.9784, 0.3365, 0.2921



69.9784, 0.3827, 0.3781

Rectangle

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



69.9784, 0.2868, 0.3706



69.9784, 0.2466, 0.3112



69.9784, 0.3365, 0.2921



69.9784, 0.3836, 0.3400

Sweetspot

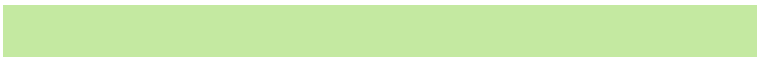
The Sweet Spot groups the original color and five complimentary colors.



69.9813, 0.2868, 0.3706



95.2255, 0.3048, 0.3398



72.5620, 0.3321, 0.4134



20.2279, 0.3035, 0.3417



0.0000, 0.0000, 0.0000



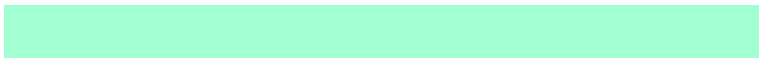
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9813, 0.2868, 0.3706



83.7353, 0.2822, 0.3807



71.0636, 0.2683, 0.3275



16.9950, 0.3044, 0.3404



33.9038, 0.2697, 0.4911



2.6817, 0.2630, 0.4668

Inverse Universe

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



46.7746, 0.3498, 0.2911



51.0461, 0.3603, 0.2831



45.8292, 0.3823, 0.3306



15.1725, 0.3219, 0.3179



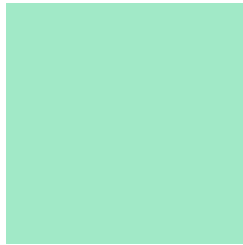
10.4941, 0.5073, 0.2568



0.8434, 0.4747, 0.2389

Previews

White Background



This preview shows how the Yxy color 69.9784, 0.2868, 0.3706 looks on a white background.

Color Contrast Check

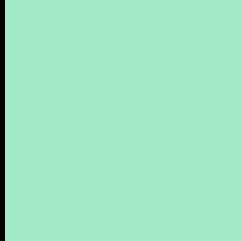
Large Text (above 18pt) WCAG AA × Fail

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 69.9784, 0.2868, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

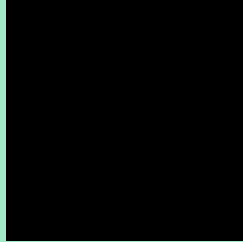
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9784, 0.2868, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 69.9784, 0.2868, 0.3706.

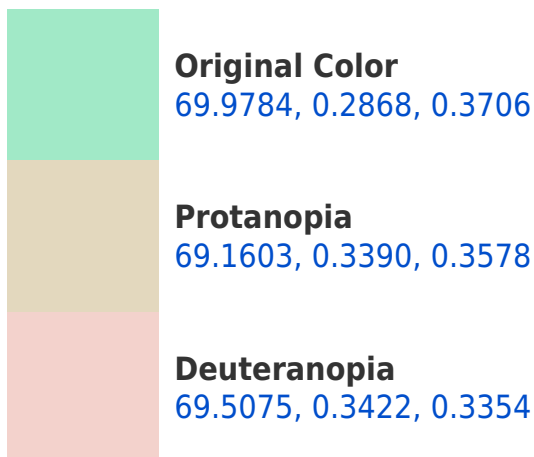


This preview shows how white text looks on a background with the Yxy color 69.9784, 0.2868, 0.3706.

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

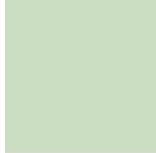
70.1887, 0.2668, 0.3083

Trichromacy



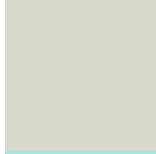
Original Color

69.9784, 0.2868, 0.3706



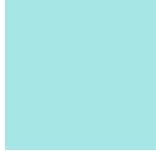
Protanomaly

68.7893, 0.3182, 0.3626



Deuteranomaly

68.5532, 0.3199, 0.3471



Tritanomaly

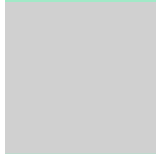
69.8555, 0.2739, 0.3301

Monochromacy



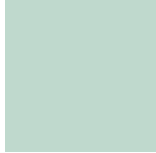
Original Color

69.9784, 0.2868, 0.3706



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.1099, 0.3021, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9784, 0.2868, 0.3706 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(161, 233, 199)` looks like.

```
.text, #text, p{  
    color:rgb(161, 233, 199)  
}
```

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(161, 233, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 233, 199) }
```

Border

The CSS property to change the border of an element to Yxy 69.9784, 0.2868, 0.3706 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(161, 233, 199) }
```

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

```
.border{ border-color:rgb(161, 233, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 233, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 233, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 233, 199);  
box-shadow:4px 4px 4px 4px rgb(161, 233,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9784, 0.2868, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 233, 199) }
```

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

```
.background{ background-color: rgb(161,  
233, 199) }
```

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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