

Converting Colors

$Yxy(69.3686, 0.2836, 0.3507)$

Have a look what the booklet for
Yxy(69.3686, 0.2836, 0.3507)
contains.

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Color

Yxy(69.6216, 0.2840, 0.3518)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A8E6D3 |
| RGB | 168, 230, 211 |
| RGB Percent | 66%, 90%, 83% |
| CMY | 0.3410, 0.0980, 0.1727 |
| CMYK | 0.27, 0.00, 0.08, 0.10 |
| HSL | 162°, 55%, 78% |
| HSV | 162°, 27%, 90% |
| XYZ | 56.2039, 69.6216, 72.0756 |
| YIQ | 209.2960, -30.8530, -19.0530 |

Conversions

Conversions Part 2

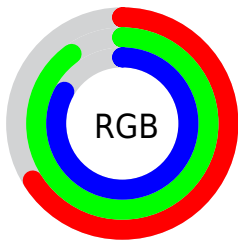
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 168, 205, 230 |
| Decimal | 11069139 |
| CIELab | 86.81, -23.48, 2.96 |
| CIELCh | 87, 23.661, 172.821 |
| Yxy | 69.6216, 0.2840, 0.3518 |
| Android (android.graphics.Color) | 4289259219 (0xFFA8E6D3) |
| YUV | 209.2960, 0.8401, -36.2166 |
| Hunter-Lab | 83.4396, -25.7837, 7.1926 |

Details

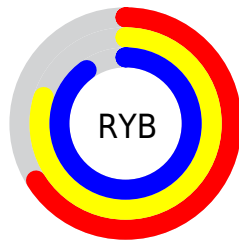
The Yxy color **69.6216, 0.2840, 0.3518** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4326, 0.3531, 0.3075**, and the grayscale version is **63.9774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **36.2838, 0.2765, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **66.9720, 0.2747, 0.3617**, and if you desaturate by 10%, it is **72.7390, 0.2942, 0.3426**.

Distribution



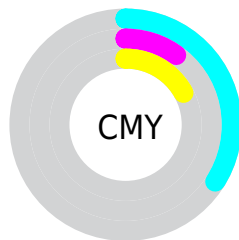
- Red (66%)
- Green (90%)
- Blue (83%)



- Red (66%)
- Yellow (80%)
- Blue (90%)



- Cyan (27%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)





- Cyan (34%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6216, 0.2840, 0.3518 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 69.6216, 0.2840, 0.3518 by changing the saturation by 10% instead.

 69.6216, 0.2840,
0.3518


 69.6216, 0.2840,
0.3518


459.2203, 0.2974,
0.3410

 51.2181, 0.2809,
0.3543

 118.6690, 0.2887,
0.3480

 36.3822, 0.2770,
0.3575


 150.0816, 0.2905,
0.3466

 24.7295, 0.2721,
0.3615


186.5995, 0.2921,
0.3453

 15.8757, 0.2656,
0.3668

228.6069, 0.2934,
0.3442

 9.4362, 0.2566,
0.3743

276.4883, 0.2946,
0.3433

 5.0268, 0.2435,
0.3853


330.6281, 0.2957,

 2.2630, 0.2225,


0.3424


0.4035


391.4106, 0.2966,
0.3417


 0.7540, 0.0950,
0.4987

 0.0000, 0.0000,
0.0000


 69.6216, 0.2840,
0.3518


 69.6216, 0.2840,
0.3518


 66.9720, 0.2747,
0.3617

 72.7390, 0.2942,
0.3426


 64.7579, 0.2667,
0.3724


 76.3376, 0.3050,
0.3343


 62.9562, 0.2602,
0.3835

 80.4409, 0.3162,
0.3268

 61.5384, 0.2555,
0.3951


 84.1005, 0.3240,
0.3200


 60.4720, 0.2528,
0.4069


 84.5270, 0.3194,
0.3131

 59.7189, 0.2521,
0.4187

 84.9701, 0.3149,
0.3064

 59.2303, 0.2533,
0.4304

 85.0748, 0.3138,
0.3048

 59.1090, 0.2539,
0.4339

Harmonies

Analogous

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



69.6216, 0.3113, 0.3731



69.6216, 0.2840, 0.3518



69.6216, 0.2649, 0.3243

Triad

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



69.6216, 0.2840, 0.3518



69.6216, 0.2845, 0.2815



69.6216, 0.3704, 0.3543

Complementary

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



69.6216, 0.2840, 0.3518



48.4326, 0.3531, 0.3075

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.



69.6216, 0.3628, 0.3305



69.6216, 0.2840, 0.3518



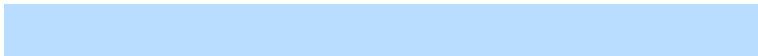
69.6216, 0.3121, 0.2898

Square

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



69.6216, 0.2840, 0.3518



69.6216, 0.2652, 0.2847



69.6216, 0.3410, 0.3073



69.6216, 0.3617, 0.3730

Rectangle

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



69.6216, 0.2840, 0.3518



69.6216, 0.2589, 0.3071



69.6216, 0.3410, 0.3073



69.6216, 0.3697, 0.3466

Sweetspot

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



69.6245, 0.2840, 0.3518



95.9369, 0.3038, 0.3352



70.0711, 0.3225, 0.4033



20.3808, 0.3021, 0.3364



0.0000, 0.0000, 0.0000



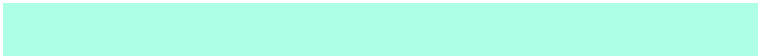
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6245, 0.2840, 0.3518



86.1587, 0.2790, 0.3569



64.5180, 0.2722, 0.3154



16.2570, 0.3022, 0.3363



33.4864, 0.2534, 0.4321



2.4910, 0.2486, 0.4151

Inverse Universe

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



48.4326, 0.3531, 0.3075



55.4001, 0.3638, 0.3030



52.0507, 0.3675, 0.3422



14.4406, 0.3244, 0.3218



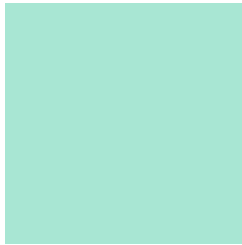
9.7987, 0.5730, 0.2930



0.7402, 0.5315, 0.2701

Previews

White Background



This preview shows how the Yxy color 69.6216, 0.2840, 0.3518 looks on a white background.

Color Contrast Check

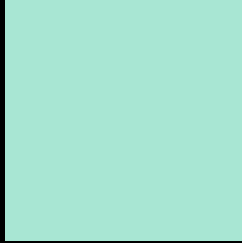
Large Text (above 18pt) WCAG AA × Fail

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 69.6216, 0.2840, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

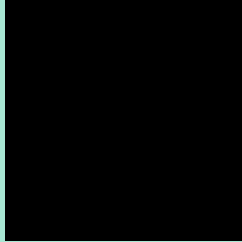
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

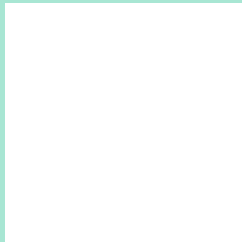
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6216, 0.2840, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 69.6216, 0.2840, 0.3518.

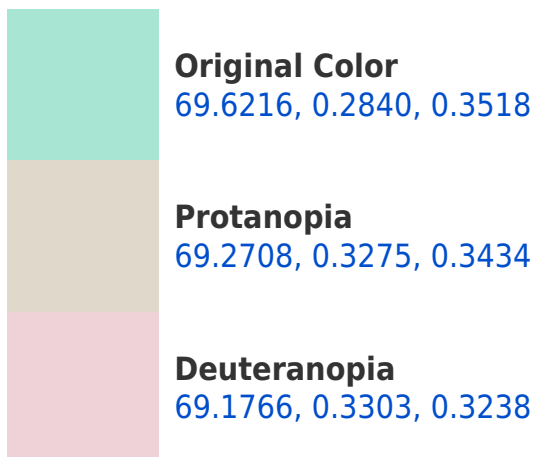


This preview shows how white text looks on a background with the Yxy color 69.6216, 0.2840, 0.3518.

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

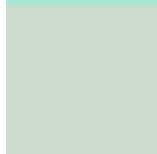
69.4355, 0.2699, 0.3083

Trichromacy



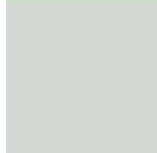
Original Color

69.6216, 0.2840, 0.3518



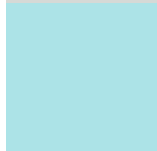
Protanomaly

69.0065, 0.3105, 0.3461



Deuteranomaly

68.6269, 0.3118, 0.3324



Tritanomaly

69.4783, 0.2749, 0.3242

Monochromacy



Original Color

69.6216, 0.2840, 0.3518



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.7482, 0.3010, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6216, 0.2840, 0.3518 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, 230, 211)` looks like.

```
.text, #text, p{  
    color:rgb(168, 230, 211)  
}
```

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, 230, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 230, 211) }
```

Border

The CSS property to change the border of an element to Yxy 69.6216, 0.2840, 0.3518 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, 230, 211) }
```

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

```
.border{ border-color:rgb(168, 230, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 230, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 230, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 230, 211);  
box-shadow:4px 4px 4px 4px rgb(168, 230,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6216, 0.2840, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 230, 211) }
```

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

```
.background{ background-color: rgb(168,  
230, 211) }
```

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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