

Converting Colors

$Yxy(68.3652, 0.2768, 0.3281)$

Have a look what the booklet for
Yxy(68.3652, 0.2768, 0.3281)
contains.

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Color

Yxy(68.5416, 0.2770, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	ABE2E2
RGB	171, 226, 226
RGB Percent	67%, 89%, 89%
CMY	0.3292, 0.1137, 0.1138
CMYK	0.24, 0.00, 0.00, 0.11
HSL	180°, 49%, 78%
HSV	180°, 24%, 89%
XYZ	57.7258, 68.5416, 82.1291
YIQ	209.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

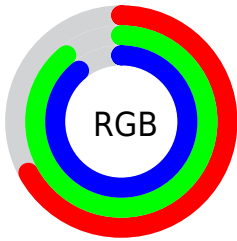
Format	Color
RYB	171, 199, 226
Decimal	11264738
CIELab	86.28, -17.42, -5.72
CIELCh	86, 18.333, 198.176
Yxy	68.5416, 0.2770, 0.3289
Android (android.graphics.Color)	4289454818 (0xFFABE2E2)
YUV	209.5550, 8.1074, -33.8127
Hunter-Lab	82.7899, -20.4218, -0.8639

Details

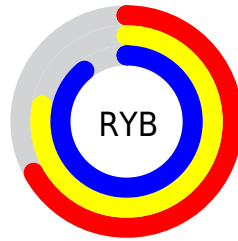
The Yxy color **68.5416, 0.2770, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2583, 0.3635, 0.3291**, and the grayscale version is **64.1120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **35.8480, 0.2683, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **66.2185, 0.2643, 0.3289**, and if you desaturate by 10%, it is **71.3041, 0.2910, 0.3289**.

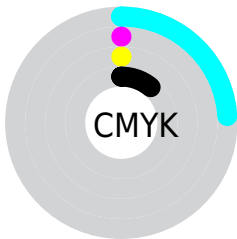
Distribution



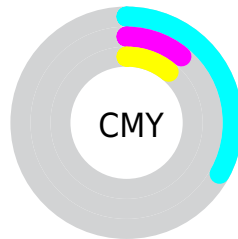
- Red (67%)
- Green (89%)
- Blue (89%)



- Red (67%)
- Yellow (78%)
- Blue (89%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (33%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5416, 0.2770, 0.3289 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 68.5416, 0.2770, 0.3289 by changing the saturation by 10% instead.


 68.5416, 0.2770,
0.3289

 68.5416, 0.2770,
0.3289


455.4125, 0.2936,
0.3292

 50.3385, 0.2732,
0.3288

 117.1266, 0.2827,
0.3290

 35.6824, 0.2685,
0.3286


148.2773, 0.2850,
0.3291

 24.1890, 0.2626,
0.3284


184.5126, 0.2869,
0.3291

 15.4739, 0.2549,
0.3279

226.2169, 0.2886,
0.3291

 9.1526, 0.2443,
0.3272

273.7747, 0.2900,
0.3291

 4.8409, 0.2291,
0.3259

327.5703, 0.2913,

 2.1542, 0.2055,

0.3292

387.9881, 0.2925,
0.3292

0.3229

0.6949, 0.1120,
0.3310

0.0000, 0.0000,
0.0000

68.5416, 0.2770,
0.3289

68.5416, 0.2770,
0.3289

66.2185, 0.2643,
0.3289

71.3041, 0.2910,
0.3289

64.3046, 0.2531,
0.3288


74.5183, 0.3060,
0.3290


62.7785, 0.2438,
0.3288


78.2061, 0.3217,
0.3290


61.6137, 0.2363,
0.3288


81.1405, 0.3332,
0.3291


 60.7806, 0.2308,
0.3288


 81.1407, 0.3332,
0.3291


 60.2445, 0.2272,
0.3288


 81.1408, 0.3332,
0.3291

 59.9635, 0.2253,
0.3288

 81.1410, 0.3332,
0.3291

 59.8789, 0.2247,
0.3288

 81.1411, 0.3332,
0.3290

 81.1413, 0.3332,
0.3290

Harmonies

Analogous

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



68.5416, 0.2934, 0.3497



68.5416, 0.2770, 0.3289



68.5416, 0.2700, 0.3091

Triad

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



68.5416, 0.2770, 0.3289



68.5416, 0.3088, 0.2965



68.5416, 0.3527, 0.3618

Complementary

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



68.5416, 0.2770, 0.3289



48.2583, 0.3635, 0.3291

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.



68.5416, 0.3574, 0.3464



68.5416, 0.2770, 0.3289



68.5416, 0.3316, 0.3095

Square

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



68.5416, 0.2770, 0.3289



68.5416, 0.2878, 0.2913



68.5416, 0.3496, 0.3274



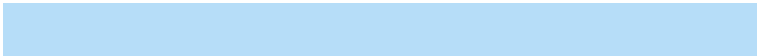
68.5416, 0.3371, 0.3689

Rectangle

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



68.5416, 0.2770, 0.3289



68.5416, 0.2714, 0.2992



68.5416, 0.3496, 0.3274



68.5416, 0.3557, 0.3574

Sweetspot

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



68.5444, 0.2770, 0.3289



96.7702, 0.3018, 0.3290



66.0998, 0.3101, 0.3976



20.6563, 0.3009, 0.3290



0.0000, 0.0000, 0.0000



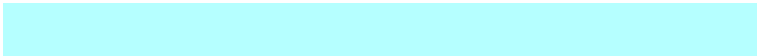
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5444, 0.2770, 0.3289



88.5692, 0.2706, 0.3289



55.2055, 0.2743, 0.2965



15.5724, 0.2982, 0.3290



34.1629, 0.2247, 0.3288



2.3680, 0.2247, 0.3288

Inverse Universe

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



48.2583, 0.3635, 0.3291



57.6667, 0.3774, 0.3292



59.3206, 0.3564, 0.3594



13.7006, 0.3292, 0.3290



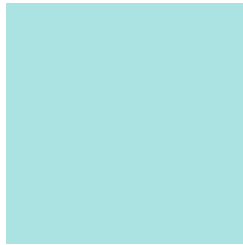
9.2243, 0.6401, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 68.5416, 0.2770, 0.3289 looks on a white background.

Color Contrast Check

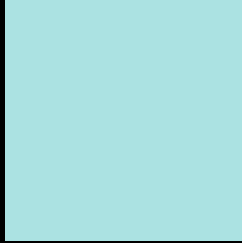
Large Text (above 18pt) WCAG AA × Fail

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 68.5416, 0.2770, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

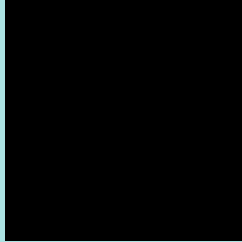
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

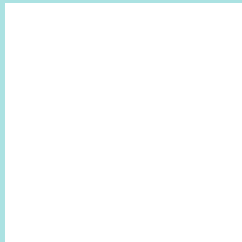
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5416, 0.2770, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 68.5416, 0.2770, 0.3289.

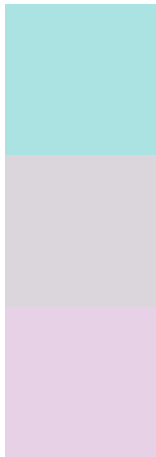


This preview shows how white text looks on a background with the Yxy color 68.5416, 0.2770, 0.3289.

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

68.5416, 0.2770, 0.3289

Protanopia

68.1130, 0.3122, 0.3235

Deuteranopia

68.1371, 0.3138, 0.3067



Tritanopia

68.6609, 0.2703, 0.3093

Trichromacy



Original Color

68.5416, 0.2770, 0.3289

Protanomaly

67.8342, 0.2982, 0.3244

Deuteranomaly

67.8133, 0.2992, 0.3134

Tritanomaly

68.7908, 0.2725, 0.3161

Monochromacy



Original Color

68.5416, 0.2770, 0.3289

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.8054, 0.2985, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5416, 0.2770, 0.3289 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(171, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 226, 226)  
}
```

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(171, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 226, 226) }
```

Border

The CSS property to change the border of an element to Yxy 68.5416, 0.2770, 0.3289 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(171, 226, 226) }
```

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

```
.border{ border-color:rgb(171, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(171, 226,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5416, 0.2770, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 226, 226) }
```

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

```
.background{ background-color: rgb(171,  
226, 226) }
```

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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