

Converting Colors

$Yxy(68.9035, 0.2776, 0.3439)$

Have a look what the booklet for
Yxy(68.9035, 0.2776, 0.3439)
contains.

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Color

Yxy(68.8349, 0.2776, 0.3433)

Conversions

Conversions Part 1

Format	Color
Hex	A3E5D9
RGB	163, 229, 217
RGB Percent	64%, 90%, 85%
CMY	0.3605, 0.1020, 0.1489
CMYK	0.29, 0.00, 0.05, 0.10
HSL	169°, 56%, 77%
HSV	169°, 29%, 90%
XYZ	55.6614, 68.8349, 76.0131
YIQ	207.8980, -35.4840, -17.7240

Conversions

Conversions Part 2

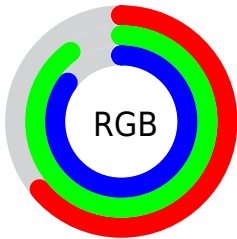
Format	Color
RYB	163, 199, 229
Decimal	10741209
CIELab	86.42, -23.16, -0.83
CIELCh	86, 23.170, 182.056
Yxy	68.8349, 0.2776, 0.3433
Android (android.graphics.Color)	4288931289 (0xFFA3E5D9)
YUV	207.8980, 4.4873, -39.3755
Hunter-Lab	82.9668, -25.4384, 3.7560

Details

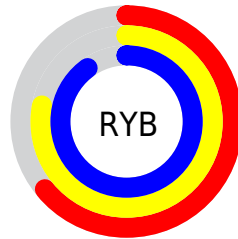
The Yxy color **68.8349, 0.2776, 0.3433** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9744, 0.3647, 0.3154**, and the grayscale version is **63.0066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **35.7470, 0.2693, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **66.4203, 0.2673, 0.3491**, and if you desaturate by 10%, it is **71.6982, 0.2891, 0.3379**.

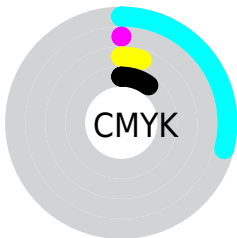
Distribution



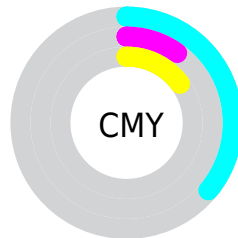
- Red (64%)
- Green (90%)
- Blue (85%)



- Red (64%)
- Yellow (78%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)





- Cyan (36%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8349, 0.2776, 0.3433 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 68.8349, 0.2776, 0.3433 by changing the saturation by 10% instead.

 68.8349, 0.2776,
0.3433

 68.8349, 0.2776,
0.3433


456.4485, 0.2940,
0.3367

 50.5773, 0.2738,
0.3448


 117.5457, 0.2833,
0.3410

 35.8723, 0.2692,
0.3467


 148.7677, 0.2855,
0.3401

 24.3356, 0.2633,
0.3490


185.0799, 0.2874,
0.3393

 15.5827, 0.2555,
0.3521

226.8668, 0.2891,
0.3387

 9.2294, 0.2449,
0.3563

274.5127, 0.2905,
0.3381

 4.8911, 0.2295,
0.3624

328.4020, 0.2918,

 2.1835, 0.2052,

0.3376

388.9191, 0.2929,
0.3371

0.3717

0.7110, 0.0668,
0.4299

0.0000, 0.0000,
0.0000

68.8349, 0.2776,
0.3433

68.8349, 0.2776,
0.3433

66.4203, 0.2673,
0.3491

71.6982, 0.2891,
0.3379

64.4225, 0.2584,
0.3552


75.0237, 0.3014,
0.3330


62.8182, 0.2511,
0.3615


78.8347, 0.3143,
0.3285


61.5786, 0.2458,
0.3681

83.1504, 0.3275,
0.3244

 60.6712, 0.2424,
0.3747


 83.4539, 0.3250,
0.3204


 60.0570, 0.2410,
0.3813

 83.7008, 0.3223,
0.3163

 59.6777, 0.2412,
0.3878

 83.9534, 0.3196,
0.3123

 59.6380, 0.2413,
0.3886

 84.2117, 0.3169,
0.3083

 84.4758, 0.3143,
0.3044

Harmonies

Analogous

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



68.8349, 0.3026, 0.3671



68.8349, 0.2776, 0.3433



68.8349, 0.2623, 0.3163

Triad

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



68.8349, 0.2776, 0.3433



68.8349, 0.2927, 0.2836



68.8349, 0.3684, 0.3604

Complementary

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



68.8349, 0.2776, 0.3433



45.9744, 0.3647, 0.3154

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.



68.8349, 0.3659, 0.3379



68.8349, 0.2776, 0.3433



68.8349, 0.3211, 0.2949

Square

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



68.8349, 0.2776, 0.3433



68.8349, 0.2707, 0.2832



68.8349, 0.3483, 0.3143



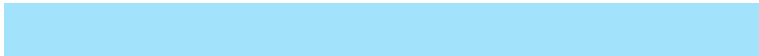
68.8349, 0.3554, 0.3760

Rectangle

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



68.8349, 0.2776, 0.3433



68.8349, 0.2591, 0.3008



68.8349, 0.3483, 0.3143



68.8349, 0.3694, 0.3533

Sweetspot

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



68.8377, 0.2776, 0.3433



95.6387, 0.3011, 0.3331



67.8117, 0.3169, 0.4105



20.3300, 0.2992, 0.3338



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.



68.8377, 0.2776, 0.3433



85.8201, 0.2708, 0.3470



58.6195, 0.2684, 0.3035



16.2891, 0.3006, 0.3333



34.1185, 0.2410, 0.3876



2.5330, 0.2383, 0.3780

Inverse Universe

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



45.9744, 0.3647, 0.3154



51.8170, 0.3812, 0.3122



53.5628, 0.3695, 0.3531



14.4105, 0.3264, 0.3248



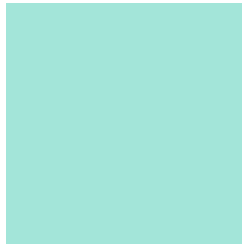
9.6307, 0.6117, 0.3143



0.7241, 0.5730, 0.2930

Previews

White Background



This preview shows how the Yxy color 68.8349, 0.2776, 0.3433 looks on a white background.

Color Contrast Check

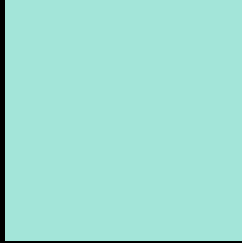
Large Text (above 18pt) WCAG AA × Fail

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 68.8349, 0.2776, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

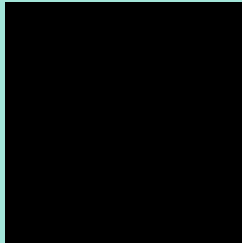
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

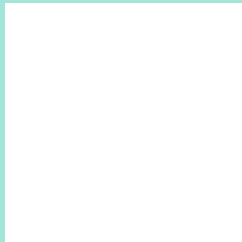
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8349, 0.2776, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 68.8349, 0.2776, 0.3433.

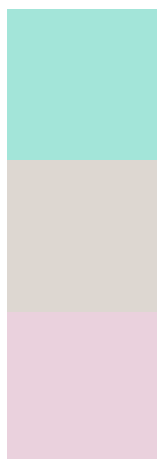


This preview shows how white text looks on a background with the Yxy color 68.8349, 0.2776, 0.3433.

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

68.8349, 0.2776, 0.3433

Protanopia

68.5765, 0.3212, 0.3357

Deuteranopia

68.3138, 0.3231, 0.3163



Tritanopia

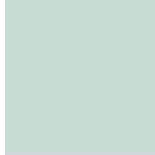
68.7565, 0.2665, 0.3081

Trichromacy



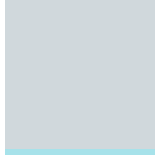
Original Color

68.8349, 0.2776, 0.3433



Protanomaly

68.2192, 0.3038, 0.3382



Deuteranomaly

67.6889, 0.3043, 0.3245



Tritanomaly

68.5487, 0.2703, 0.3195

Monochromacy



Original Color

68.8349, 0.2776, 0.3433



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.0213, 0.2989, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8349, 0.2776, 0.3433 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(163, 229, 217)` looks like.

```
.text, #text, p{  
    color:rgb(163, 229, 217)  
}
```

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(163, 229, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 229, 217) }
```

Border

The CSS property to change the border of an element to Yxy 68.8349, 0.2776, 0.3433 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(163, 229, 217) }
```

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

```
.border{ border-color:rgb(163, 229, 217) }
```

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

Here you see how a box with a 4 pixel rgb(163, 229, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 229, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 229, 217);  
box-shadow:4px 4px 4px 4px rgb(163, 229,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8349, 0.2776, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 229, 217) }
```

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

```
.background{ background-color: rgb(163,  
229, 217) }
```

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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