

Converting Colors

$Y_{xy}(72.0880, 0.2711, 0.3321)$

Have a look what the booklet for
Yxy(72.0880, 0.2711, 0.3321)
contains.

Yxy(71.9399, 0.2711, 0.3312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.9399, 0.2711, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	A4E9E7
RGB	164, 233, 231
RGB Percent	64%, 91%, 91%
CMY	0.3565, 0.0863, 0.0941
CMYK	0.30, 0.00, 0.01, 0.09
HSL	178°, 61%, 78%
HSV	178°, 30%, 91%
XYZ	58.8856, 71.9399, 86.3844
YIQ	212.1410, -40.4820, -15.2500

Conversions

Conversions Part 2

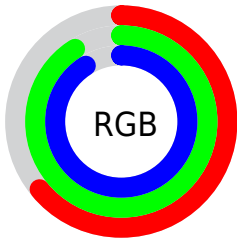
Format	Color
RYB	164, 199, 233
Decimal	10807783
CIELab	87.94, -21.77, -5.94
CIElCh	88, 22.566, 195.269
Yxy	71.9399, 0.2711, 0.3312
Android (android.graphics.Color)	4288997863 (0xFFA4E9E7)
YUV	212.1410, 9.2975, -42.2197
Hunter-Lab	84.8174, -24.5045, -1.0132

Details

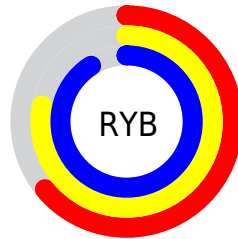
The Yxy color **71.9399, 0.2711, 0.3312** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **46.6597, 0.3768, 0.3269**, and the grayscale version is **65.9072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **37.7906, 0.2615, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **69.6473, 0.2594, 0.3321**, and if you desaturate by 10%, it is **74.6926, 0.2842, 0.3304**.

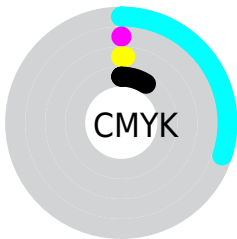
Distribution



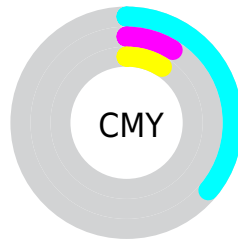
- Red (64%)
- Green (91%)
- Blue (91%)



- Red (64%)
- Yellow (78%)
- Blue (91%)



- Cyan (30%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (36%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9399, 0.2711, 0.3312 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 71.9399, 0.2711, 0.3312 by changing the saturation by 10% instead.

 71.9399, 0.2711,
0.3312

 71.9399, 0.2711,
0.3312

467.3324, 0.2902,
0.3305

 53.1096, 0.2668,
0.3313

 121.9711, 0.2777,
0.3310

 37.8903, 0.2615,
0.3314


 153.9407, 0.2803,
0.3309

 25.8975, 0.2548,
0.3315

191.0590, 0.2825,
0.3308

 16.7470, 0.2461,
0.3314

233.7101, 0.2844,
0.3307

 10.0543, 0.2344,
0.3312

282.2787, 0.2861,
0.3307

 5.4350, 0.2179,
0.3306

337.1490, 0.2876,

 2.5047, 0.1927,

0.3306

398.7054, 0.2890,
0.3305

0.3288

0.8790, 0.1162,
0.3360

0.0000, 0.0000,
0.0000

71.9399, 0.2711,
0.3312

71.9399, 0.2711,
0.3312

69.6473, 0.2594,
0.3321

74.6926, 0.2842,
0.3304

67.7813, 0.2494,
0.3330


77.9196, 0.2984,
0.3297

66.3176, 0.2412,
0.3339


81.6452, 0.3134,
0.3290


65.2259, 0.2350,
0.3348

85.4540, 0.3273,
0.3284

 64.4716, 0.2307,
0.3358

 85.4926, 0.3269,
0.3277

 64.0138, 0.2282,
0.3367


 85.5313, 0.3264,
0.3270

 63.7854, 0.2272,
0.3376

 85.5702, 0.3260,
0.3264

 63.7774, 0.2271,
0.3377

 85.6093, 0.3256,
0.3257

 85.6484, 0.3251,
0.3251

Harmonies

Analogous

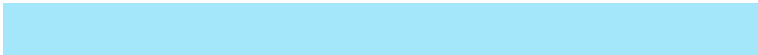
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9399, 0.2916, 0.3564



71.9399, 0.2711, 0.3312



71.9399, 0.2616, 0.3067

Triad

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



71.9399, 0.2711, 0.3312



71.9399, 0.3052, 0.2889



71.9399, 0.3624, 0.3670

Complementary

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



71.9399, 0.2711, 0.3312



46.6597, 0.3768, 0.3269

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.



71.9399, 0.3667, 0.3476



71.9399, 0.2711, 0.3312



71.9399, 0.3329, 0.3037

Square

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



71.9399, 0.2711, 0.3312



71.9399, 0.2805, 0.2837



71.9399, 0.3558, 0.3247



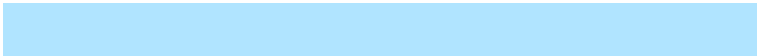
71.9399, 0.3444, 0.3772

Rectangle

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



71.9399, 0.2711, 0.3312



71.9399, 0.2624, 0.2943



71.9399, 0.3558, 0.3247



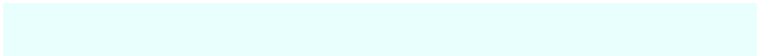
71.9399, 0.3655, 0.3613

Sweetspot

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



71.9428, 0.2711, 0.3312



95.8616, 0.2991, 0.3296



69.1033, 0.3102, 0.4150



20.3853, 0.2970, 0.3297



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.



71.9428, 0.2711, 0.3312



86.6554, 0.2644, 0.3317



55.4805, 0.2657, 0.2898



17.1140, 0.2985, 0.3296



36.1960, 0.2271, 0.3375



2.8446, 0.2267, 0.3362

Inverse Universe

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



46.6597, 0.3768, 0.3269



51.2808, 0.3943, 0.3265



59.5939, 0.3683, 0.3652



15.0611, 0.3288, 0.3284



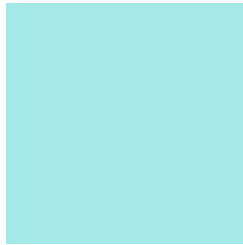
9.8412, 0.6370, 0.3283



0.7753, 0.6285, 0.3236

Previews

White Background



This preview shows how the Yxy color 71.9399, 0.2711, 0.3312 looks on a white background.

Color Contrast Check

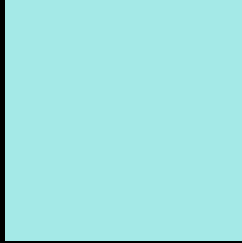
Large Text (above 18pt) WCAG AA × Fail

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 71.9399, 0.2711, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

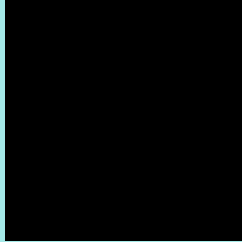
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9399, 0.2711, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 71.9399, 0.2711, 0.3312.

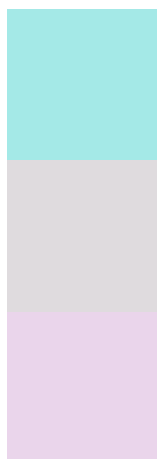


This preview shows how white text looks on a background with the Yxy color 71.9399, 0.2711, 0.3312.

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

71.9399, 0.2711, 0.3312

Protanopia

71.6249, 0.3136, 0.3258

Deuteranopia

71.0791, 0.3131, 0.3060



Tritanopia

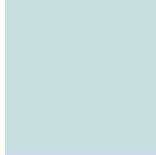
71.7580, 0.2635, 0.3073

Trichromacy



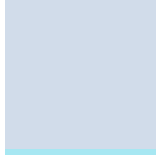
Original Color

71.9399, 0.2711, 0.3312



Protanomaly

71.3041, 0.2970, 0.3278



Deuteranomaly

70.6822, 0.2961, 0.3136



Tritanomaly

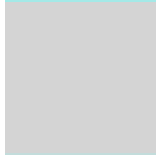
71.7781, 0.2667, 0.3162

Monochromacy



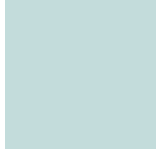
Original Color

71.9399, 0.2711, 0.3312



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.9030, 0.2960, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9399, 0.2711, 0.3312 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(164, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(164, 233, 231)  
}
```

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(164, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 233, 231) }
```

Border

The CSS property to change the border of an element to Yxy 71.9399, 0.2711, 0.3312 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(164, 233, 231) }
```

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

```
.border{ border-color:rgb(164, 233, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 233, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(164, 233,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9399, 0.2711, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 233, 231) }
```

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

```
.background{ background-color: rgb(164,  
233, 231) }
```

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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