

Converting Colors

$Yxy(70.2214, 0.2790, 0.3377)$

Have a look what the booklet for
Yxy(70.2214, 0.2790, 0.3377)
contains.

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Color

Yxy(70.4136, 0.2790, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	AAE6DE
RGB	170, 230, 222
RGB Percent	67%, 90%, 87%
CMY	0.3331, 0.0981, 0.1293
CMYK	0.26, 0.00, 0.03, 0.10
HSL	172°, 55%, 78%
HSV	172°, 26%, 90%
XYZ	58.0709, 70.4136, 79.6550
YIQ	211.1480, -33.1920, -15.2080

Conversions

Conversions Part 2

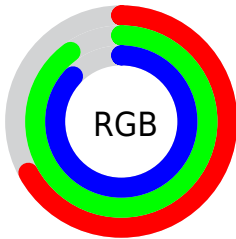
Format	Color
RYB	170, 202, 230
Decimal	11200222
CIELab	87.20, -20.55, -2.28
CIELCh	87, 20.680, 186.333
Yxy	70.4136, 0.2790, 0.3383
Android (android.graphics.Color)	4289390302 (0xFFAAE6DE)
YUV	211.1480, 5.3500, -36.0868
Hunter-Lab	83.9128, -23.3185, 2.4574

Details

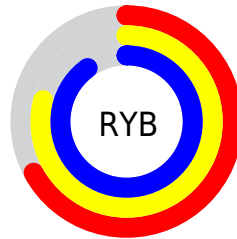
The Yxy color **70.4136, 0.2790, 0.3383** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.8085, 0.3610, 0.3200**, and the grayscale version is **65.2345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **36.7751, 0.2709, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **67.9100, 0.2678, 0.3424**, and if you desaturate by 10%, it is **73.3744, 0.2913, 0.3345**.

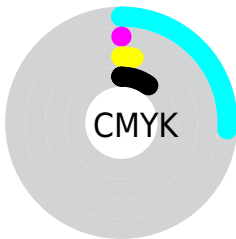
Distribution



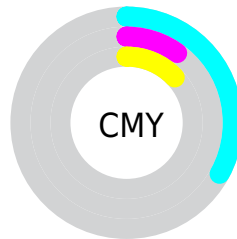
- Red (67%)
- Green (90%)
- Blue (87%)



- Red (67%)
- Yellow (79%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4136, 0.2790, 0.3383 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 70.4136, 0.2790, 0.3383 by changing the saturation by 10% instead.


 70.4136, 0.2790,
0.3383

 70.4136, 0.2790,
0.3383

462.0009, 0.2946,
0.3341

 51.8638, 0.2754,
0.3392


 119.7984, 0.2844,
0.3369

 36.8965, 0.2710,
0.3404


151.4022, 0.2865,
0.3363

 25.1274, 0.2654,
0.3418

188.1260, 0.2883,
0.3358

 16.1720, 0.2581,
0.3437

230.3544, 0.2899,
0.3354

 9.6459, 0.2482,
0.3461

278.4717, 0.2913,
0.3350

 5.1648, 0.2339,
0.3495

332.8623, 0.2925,

 2.3443, 0.2116,

0.3347

393.9105, 0.2936,
0.3344

0.3545

0.7970, 0.1229,
0.3829

0.0000, 0.0000,
0.0000

70.4136, 0.2790,
0.3383

70.4136, 0.2790,
0.3383

67.9100, 0.2678,
0.3424

73.3744, 0.2913,
0.3345

65.8315, 0.2581,
0.3467


76.8053, 0.3045,
0.3310


64.1556, 0.2500,
0.3513

80.7296, 0.3182,
0.3278


62.8540, 0.2438,
0.3559


83.8035, 0.3272,
0.3248

 61.8950, 0.2395,
0.3606


 83.9810, 0.3252,
0.3218


 61.2412, 0.2371,
0.3653

 84.1615, 0.3232,
0.3189

 60.8467, 0.2365,
0.3699

 84.3450, 0.3212,
0.3159

 60.7318, 0.2366,
0.3718

 84.5317, 0.3193,
0.3129

 84.7214, 0.3173,
0.3100

Harmonies

Analogous

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



70.4136, 0.3003, 0.3600



70.4136, 0.2790, 0.3383



70.4136, 0.2668, 0.3147

Triad

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



70.4136, 0.2790, 0.3383



70.4136, 0.2984, 0.2894



70.4136, 0.3612, 0.3595

Complementary

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



70.4136, 0.2790, 0.3383



48.8085, 0.3610, 0.3200

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.



70.4136, 0.3609, 0.3401



70.4136, 0.2790, 0.3383



70.4136, 0.3239, 0.3007

Square

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



70.4136, 0.2790, 0.3383



70.4136, 0.2776, 0.2876



70.4136, 0.3471, 0.3189



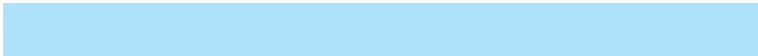
70.4136, 0.3480, 0.3718

Rectangle

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



70.4136, 0.2790, 0.3383



70.4136, 0.2651, 0.3016



70.4136, 0.3471, 0.3189



70.4136, 0.3627, 0.3536

Sweetspot

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



70.4165, 0.2790, 0.3383



96.1608, 0.3018, 0.3316



68.9639, 0.3146, 0.4023



20.4375, 0.2998, 0.3322



0.0000, 0.0000, 0.0000



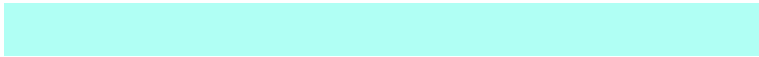
21.4041, 0.3127, 0.3290

Same Dimension

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



70.4165, 0.2790, 0.3383



87.3060, 0.2731, 0.3404



59.3848, 0.2722, 0.3025



16.3017, 0.2999, 0.3321



34.3992, 0.2364, 0.3710



2.5512, 0.2345, 0.3642

Inverse Universe

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



48.8085, 0.3610, 0.3200



55.8556, 0.3741, 0.3182



57.4403, 0.3621, 0.3540



14.3990, 0.3272, 0.3259



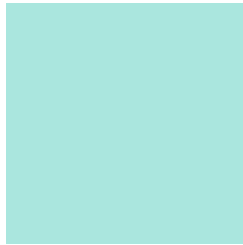
9.5890, 0.6224, 0.3202



0.7187, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 70.4136, 0.2790, 0.3383 looks on a white background.

Color Contrast Check

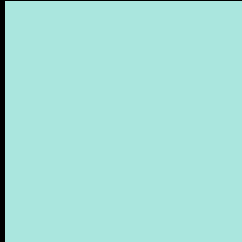
Large Text (above 18pt) WCAG AA × Fail

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 70.4136, 0.2790, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

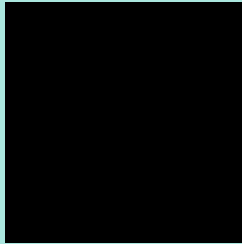
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

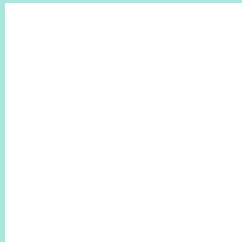
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4136, 0.2790, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 70.4136, 0.2790, 0.3383.

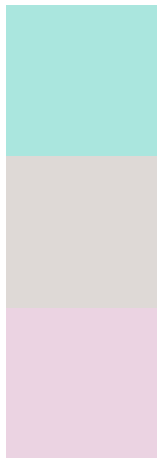


This preview shows how white text looks on a background with the Yxy color 70.4136, 0.2790, 0.3383.

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

70.4136, 0.2790, 0.3383

Protanopia

70.0103, 0.3184, 0.3323

Deuteranopia

69.7417, 0.3201, 0.3132



Tritanopia

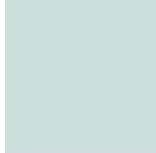
70.6447, 0.2691, 0.3084

Trichromacy



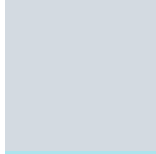
Original Color

70.4136, 0.2790, 0.3383



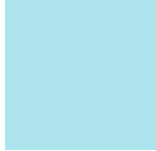
Protanomaly

69.9488, 0.3027, 0.3346



Deuteranomaly

69.4279, 0.3032, 0.3212



Tritanomaly

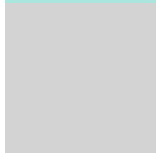
70.4855, 0.2723, 0.3185

Monochromacy



Original Color

70.4136, 0.2790, 0.3383



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.7849, 0.2992, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4136, 0.2790, 0.3383 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(170, 230, 222)` looks like.

```
.text, #text, p{  
    color:rgb(170, 230, 222)  
}
```

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(170, 230, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 230, 222) }
```

Border

The CSS property to change the border of an element to Yxy 70.4136, 0.2790, 0.3383 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(170, 230, 222) }
```

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

```
.border{ border-color:rgb(170, 230, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 230, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 230, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 230, 222);  
box-shadow:4px 4px 4px 4px rgb(170, 230,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4136, 0.2790, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 230, 222) }
```

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

```
.background{ background-color: rgb(170,  
230, 222) }
```

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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