

Converting Colors

$Yxy(70.4310, 0.2858, 0.3383)$

Have a look what the booklet for
Yxy(70.4310, 0.2858, 0.3383)
contains.

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Color

Yxy(70.3574, 0.2860, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	B4E4DC
RGB	180, 228, 220
RGB Percent	71%, 89%, 86%
CMY	0.2941, 0.1059, 0.1374
CMYK	0.21, 0.00, 0.04, 0.11
HSL	170°, 47%, 80%
HSV	170°, 21%, 89%
XYZ	59.4804, 70.3574, 78.1356
YIQ	212.7360, -26.0400, -12.6640

Conversions

Conversions Part 2

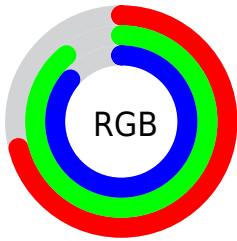
Format	Color
RYB	180, 206, 228
Decimal	11855068
CIELab	87.17, -17.03, -1.18
CIELCh	87, 17.071, 183.947
Yxy	70.3574, 0.2860, 0.3383
Android (android.graphics.Color)	4290045148 (0xFFB4E4DC)
YUV	212.7360, 3.5812, -28.7095
Hunter-Lab	83.8793, -20.2111, 3.4855

Details

The Yxy color **70.3574, 0.2860, 0.3383** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.7696, 0.3480, 0.3200**, and the grayscale version is **66.3429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **36.6573, 0.2794, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **67.6453, 0.2746, 0.3433**, and if you desaturate by 10%, it is **73.5300, 0.2983, 0.3337**.

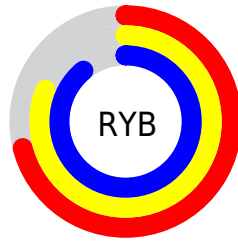
Distribution



Red (71%)

Green (89%)

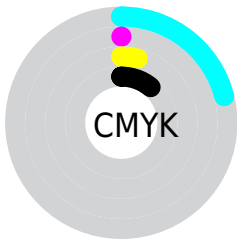
Blue (86%)



Red (71%)

Yellow (81%)

Blue (89%)

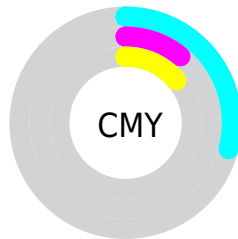


Cyan (21%)

Magenta (0%)

Yellow (4%)

Black (11%)



Cyan (29%)

Magenta (11%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3574, 0.2860, 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 70.3574, 0.2860, 0.3383 by changing the saturation by 10% instead.

 70.3574, 0.2860,
0.3383

 70.3574, 0.2860,
0.3383


461.8039, 0.2984,
0.3340

 51.8180, 0.2832,
0.3393


 119.7183, 0.2903,
0.3368

 36.8600, 0.2796,
0.3405


151.3085, 0.2920,
0.3362

 25.0991, 0.2752,
0.3420


188.0178, 0.2934,
0.3358

 16.1509, 0.2693,
0.3439

230.2306, 0.2947,
0.3353

 9.6310, 0.2613,
0.3466

278.3311, 0.2958,
0.3349

 5.1550, 0.2497,
0.3504

332.7040, 0.2968,

 2.3385, 0.2315,

0.3346

0.3562

393.7334, 0.2976,
0.3343

0.7940, 0.1630,
0.3818

0.0000, 0.0000,
0.0000

70.3574, 0.2860,
0.3383

70.3574, 0.2860,
0.3383

67.6453, 0.2746,
0.3433

73.5300, 0.2983,
0.3337

65.3630, 0.2644,
0.3487


77.1750, 0.3113,
0.3294

63.4895, 0.2558,
0.3544


81.3145, 0.3247,
0.3256


61.9987, 0.2489,
0.3602

82.7632, 0.3268,
0.3219

 60.8613, 0.2438,
0.3662


 82.9864, 0.3243,
0.3182


 60.0438, 0.2408,
0.3723

 83.2145, 0.3218,
0.3145

 59.5060, 0.2396,
0.3783

 83.4473, 0.3193,
0.3108

 59.2023, 0.2399,
0.3836

 83.6849, 0.3168,
0.3071

 83.9274, 0.3144,
0.3035

Harmonies

Analogous

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



70.3574, 0.3042, 0.3556



70.3574, 0.2860, 0.3383



70.3574, 0.2750, 0.3189

Triad

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



70.3574, 0.2860, 0.3383



70.3574, 0.2994, 0.2956



70.3574, 0.3531, 0.3533

Complementary

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



70.3574, 0.2860, 0.3383



52.7696, 0.3480, 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.



70.3574, 0.3519, 0.3370



70.3574, 0.2860, 0.3383



70.3574, 0.3204, 0.3044

Square

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



70.3574, 0.2860, 0.3383



70.3574, 0.2826, 0.2949



70.3574, 0.3398, 0.3194



70.3574, 0.3431, 0.3639

Rectangle

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



70.3574, 0.2860, 0.3383



70.3574, 0.2731, 0.3077



70.3574, 0.3398, 0.3194



70.3574, 0.3540, 0.3483

Sweetspot

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



70.3603, 0.2860, 0.3383



97.0490, 0.3048, 0.3315



69.5798, 0.3160, 0.3863



20.7067, 0.3039, 0.3318



0.0000, 0.0000, 0.0000



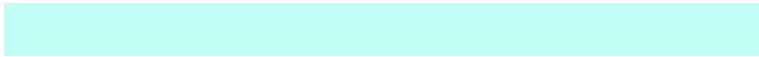
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3603, 0.2860, 0.3383



89.1805, 0.2812, 0.3403



62.7956, 0.2802, 0.3110



16.2928, 0.3004, 0.3330



34.1981, 0.2396, 0.3827



2.5382, 0.2372, 0.3739

Inverse Universe

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



52.7696, 0.3480, 0.3200



62.8912, 0.3570, 0.3181



58.9112, 0.3515, 0.3463



14.4072, 0.3266, 0.3251



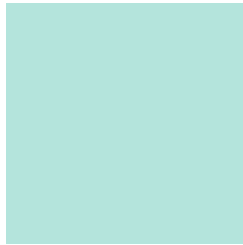
9.6173, 0.6151, 0.3162



0.7225, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 70.3574, 0.2860, 0.3383 looks on a white background.

Color Contrast Check

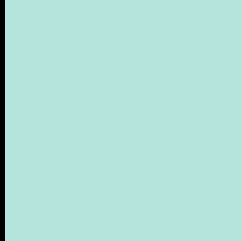
Large Text (above 18pt) WCAG AA × Fail

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 70.3574, 0.2860, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

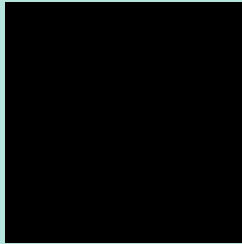
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

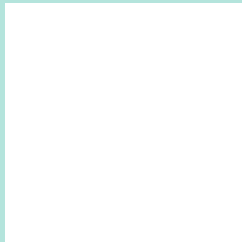
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3574, 0.2860, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 70.3574, 0.2860, 0.3383.

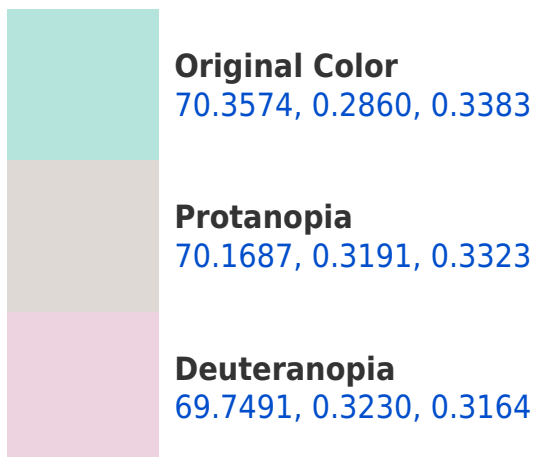


This preview shows how white text looks on a background with the Yxy color 70.3574, 0.2860, 0.3383.

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

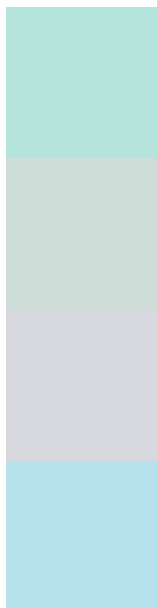




Tritanopia

70.5118, 0.2752, 0.3086

Trichromacy



Original Color

70.3574, 0.2860, 0.3383

Protanomaly

69.9362, 0.3061, 0.3346

Deuteranomaly

69.4986, 0.3087, 0.3235

Tritanomaly

70.4582, 0.2791, 0.3186

Monochromacy



Original Color

70.3574, 0.2860, 0.3383

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.5182, 0.3020, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3574, 0.2860, 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(180, 228, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 220)  
}
```

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(180, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.3574, 0.2860, 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(180, 228, 220) }
```

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

```
.border{ border-color:rgb(180, 228, 220) }
```

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

Here you see how a box with a 4 pixel rgb(180, 228, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3574, 0.2860, 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(180, 228, 220) }
```

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

```
.background{ background-color: rgb(180,  
228, 220) }
```

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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