

Converting Colors

$Yxy(70.5172, 0.2861, 0.3357)$

Have a look what the booklet for
Yxy(70.5172, 0.2861, 0.3357)
contains.

Yxy(70.7058, 0.2861, 0.3359)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.7058, 0.2861, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	B6E4DE
RGB	182, 228, 222
RGB Percent	71%, 89%, 87%
CMY	0.2861, 0.1059, 0.1295
CMYK	0.20, 0.00, 0.03, 0.11
HSL	172°, 46%, 80%
HSV	172°, 20%, 89%
XYZ	60.2231, 70.7058, 79.5677
YIQ	213.5620, -25.4900, -11.6180

Conversions

Conversions Part 2

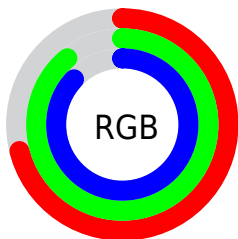
Format	Color
R _Y B	182, 207, 228
Decimal	11986142
CIE Lab	87.34, -15.99, -1.97
CIE LCh	87, 16.111, 187.021
Yxy	70.7058, 0.2861, 0.3359
Android (android.graphics.Color)	4290176222 (0xFFB6E4DE)
YUV	213.5620, 4.1599, -27.6799
Hunter-Lab	84.0867, -19.3098, 2.7571

Details

The Yxy color **70.7058, 0.2861, 0.3359** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.5964, 0.3476, 0.3223**, and the grayscale version is **66.9248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **37.2664, 0.2796, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **67.9958, 0.2742, 0.3398**, and if you desaturate by 10%, it is **73.8764, 0.2990, 0.3323**.

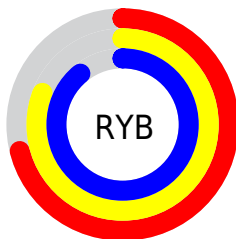
Distribution



Red (71%)

Green (89%)

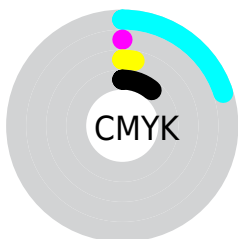
Blue (87%)



Red (71%)

Yellow (81%)

Blue (89%)

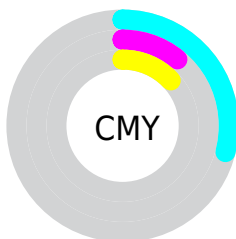


Cyan (20%)

Magenta (0%)

Yellow (3%)

Black (11%)



Cyan (29%)


Magenta (11%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7058, 0.2861, 0.3359 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 70.7058, 0.2861, 0.3359 by changing the saturation by 10% instead.

 70.7058, 0.2861,
0.3359

 70.7058, 0.2861,
0.3359


463.0243, 0.2984,
0.3328

 52.1021, 0.2833,
0.3366


 120.2147, 0.2904,
0.3348

 37.0865, 0.2798,
0.3375


151.8888, 0.2920,
0.3344

 25.2745, 0.2754,
0.3385


188.6884, 0.2935,
0.3340

 16.2817, 0.2696,
0.3399

230.9981, 0.2947,
0.3337

 9.7237, 0.2617,
0.3418

279.2021, 0.2958,
0.3334

 5.2161, 0.2503,
0.3444


333.6849, 0.2968,


 2.3746, 0.2323,


0.3332

0.3482


394.8308, 0.2977,
0.3330


 0.8128, 0.1722,
0.3663


 0.0000, 0.0000,
0.0000


 70.7058, 0.2861,
0.3359


 70.7058, 0.2861,
0.3359

 67.9958, 0.2742,
0.3398

 73.8764, 0.2990,
0.3323

 65.7158, 0.2636,
0.3439

 77.5194, 0.3125,
0.3291

 63.8451, 0.2545,
0.3483


 81.6566, 0.3264,
0.3261

 62.3577, 0.2471,
0.3528


 82.6825, 0.3277,
0.3232

 61.2247, 0.2416,
0.3573


 82.8554, 0.3257,
0.3203


 60.4131, 0.2381,
0.3620

 83.0312, 0.3237,
0.3173

 59.8835, 0.2365,
0.3666

 83.2099, 0.3218,
0.3145

 59.5710, 0.2364,
0.3711

 83.3916, 0.3198,
0.3116

 83.5762, 0.3179,
0.3087

Harmonies

Analogous

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



70.7058, 0.3027, 0.3526



70.7058, 0.2861, 0.3359



70.7058, 0.2766, 0.3178

Triad

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



70.7058, 0.2861, 0.3359



70.7058, 0.3021, 0.2980



70.7058, 0.3503, 0.3533

Complementary

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



70.7058, 0.2861, 0.3359



53.5964, 0.3476, 0.3223

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.



70.7058, 0.3502, 0.3383



70.7058, 0.2861, 0.3359



70.7058, 0.3220, 0.3070

Square

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



70.7058, 0.2861, 0.3359



70.7058, 0.2856, 0.2965



70.7058, 0.3398, 0.3216



70.7058, 0.3399, 0.3624

Rectangle

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



70.7058, 0.2861, 0.3359



70.7058, 0.2754, 0.3076



70.7058, 0.3398, 0.3216



70.7058, 0.3515, 0.3488

Sweetspot

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



70.7087, 0.2861, 0.3359



97.0845, 0.3045, 0.3309



69.5773, 0.3143, 0.3839



20.7151, 0.3036, 0.3312



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.



70.7087, 0.2861, 0.3359



89.6776, 0.2812, 0.3374



62.2113, 0.2814, 0.3091



16.3022, 0.2999, 0.3321



34.4113, 0.2362, 0.3704



2.5520, 0.2344, 0.3637

Inverse Universe

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



53.5964, 0.3476, 0.3223



64.0099, 0.3565, 0.3208



60.6678, 0.3491, 0.3481



14.3985, 0.3272, 0.3260



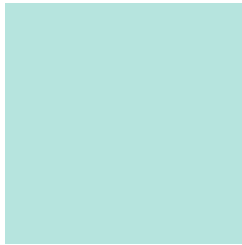
9.5876, 0.6228, 0.3204



0.7184, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 70.7058, 0.2861, 0.3359 looks on a white background.

Color Contrast Check

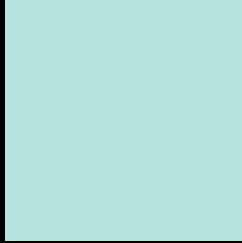
Large Text (above 18pt) WCAG AA × Fail

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 70.7058, 0.2861, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

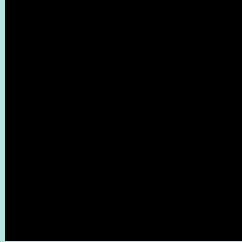
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

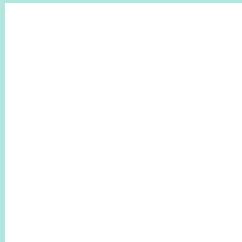
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7058, 0.2861, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 70.7058, 0.2861, 0.3359.

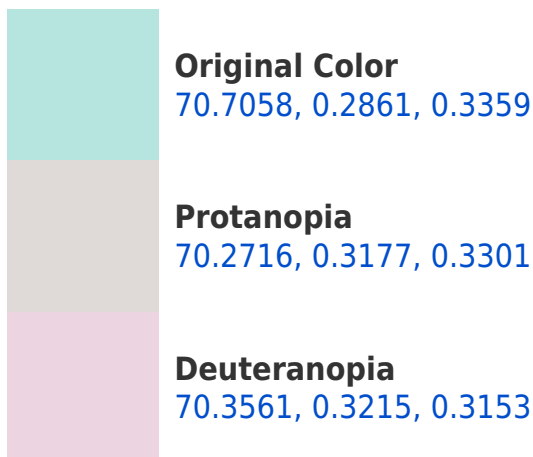


This preview shows how white text looks on a background with the Yxy color 70.7058, 0.2861, 0.3359.

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

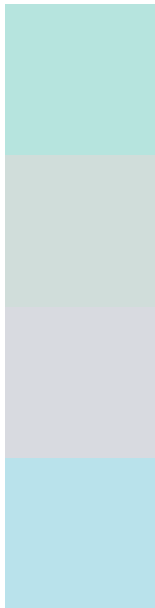




Tritanopia

70.7606, 0.2764, 0.3087

Trichromacy



Original Color

70.7058, 0.2861, 0.3359

Protanomaly

70.1848, 0.3055, 0.3323

Deuteranomaly

70.1236, 0.3073, 0.3224

Tritanomaly

70.7052, 0.2803, 0.3187

Monochromacy



Original Color

70.7058, 0.2861, 0.3359

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.2293, 0.3020, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7058, 0.2861, 0.3359 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(182, 228, 222)` looks like.

```
.text, #text, p{  
    color:rgb(182, 228, 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(182, 228, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 228, 222) }
```

Border

The CSS property to change the border of an element to Yxy 70.7058, 0.2861, 0.3359 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(182, 228, 222) }
```

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

```
.border{ border-color:rgb(182, 228, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 228, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 228, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 228, 222);  
box-shadow:4px 4px 4px 4px rgb(182, 228,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7058, 0.2861, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 228, 222) }
```

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

```
.background{ background-color: rgb(182,  
228, 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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