

Converting Colors

$Yxy(70.1925, 0.2902, 0.3482)$

Have a look what the booklet for
Yxy(70.1925, 0.2902, 0.3482)
contains.

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Color

Yxy(70.3758, 0.2901, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	B3E5D4
RGB	179, 229, 212
RGB Percent	70%, 90%, 83%
CMY	0.2979, 0.1020, 0.1687
CMYK	0.22, 0.00, 0.07, 0.10
HSL	160°, 49%, 80%
HSV	160°, 22%, 90%
XYZ	58.4986, 70.3758, 72.7754
YIQ	212.1120, -24.3430, -15.8870

Conversions

Conversions Part 2

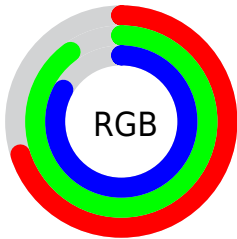
Format	Color
RYB	179, 209, 229
Decimal	11789780
CIELab	87.18, -19.43, 3.03
CIELCh	87, 19.670, 171.132
Yxy	70.3758, 0.2901, 0.3490
Android (android.graphics.Color)	4289979860 (0xFFB3E5D4)
YUV	212.1120, -0.0552, -29.0392
Hunter-Lab	83.8903, -22.3358, 7.2887

Details

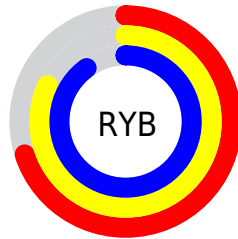
The Yxy color **70.3758, 0.2901, 0.3490** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.9035, 0.3422, 0.3099**, and the grayscale version is **65.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **36.6814, 0.2846, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **67.4879, 0.2807, 0.3596**, and if you desaturate by 10%, it is **73.7417, 0.3002, 0.3393**.

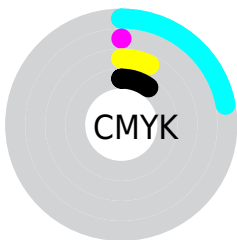
Distribution



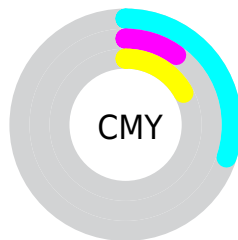
- Red (70%)
- Green (90%)
- Blue (83%)



- Red (70%)
- Yellow (82%)
- Blue (90%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (30%)
- Magenta (10%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3758, 0.2901, 0.3490 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 70.3758, 0.2901, 0.3490 by changing the saturation by 10% instead.


 70.3758, 0.2901,
0.3490

 70.3758, 0.2901,
0.3490


461.8684, 0.3007,
0.3396

 51.8330, 0.2877,
0.3512


 119.7445, 0.2938,
0.3457

 36.8719, 0.2846,
0.3539


151.3392, 0.2952,
0.3444

 25.1084, 0.2807,
0.3575


188.0533, 0.2965,
0.3433

 16.1578, 0.2756,
0.3621

230.2711, 0.2975,
0.3424

 9.6359, 0.2686,
0.3686

278.3772, 0.2985,
0.3415

 5.1582, 0.2582,
0.3782


332.7558, 0.2993,


 2.3404, 0.2416,


0.3408


0.3940


393.7914, 0.3000,
0.3402


 0.7950, 0.1625,
0.4596

 0.0000, 0.0000,
0.0000


 70.3758, 0.2901,
0.3490


 70.3758, 0.2901,
0.3490


 67.4879, 0.2807,
0.3596


 73.7417, 0.3002,
0.3393

 65.0466, 0.2724,
0.3711


 77.5978, 0.3108,
0.3305


 63.0304, 0.2653,
0.3833


 81.9670, 0.3215,
0.3226

 61.4122, 0.2600,
0.3961


 83.7793, 0.3215,
0.3151


 60.1620, 0.2565,
0.4092

 84.2611, 0.3164,
0.3077

 59.2453, 0.2550,
0.4224

 84.5172, 0.3139,
0.3039

 58.6205, 0.2556,
0.4355

 58.2715, 0.2572,
0.4461

Harmonies

Analogous

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



70.3758, 0.3131, 0.3659



70.3758, 0.2901, 0.3490



70.3758, 0.2736, 0.3266

Triad

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



70.3758, 0.2901, 0.3490



70.3758, 0.2882, 0.2892



70.3758, 0.3604, 0.3493

Complementary

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



70.3758, 0.2901, 0.3490



52.9035, 0.3422, 0.3099

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.



70.3758, 0.3533, 0.3293



70.3758, 0.2901, 0.3490



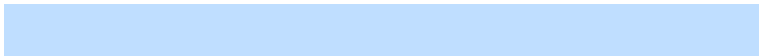
70.3758, 0.3109, 0.2955

Square

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



70.3758, 0.2901, 0.3490



70.3758, 0.2725, 0.2926



70.3758, 0.3350, 0.3100



70.3758, 0.3541, 0.3650

Rectangle

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



70.3758, 0.2901, 0.3490



70.3758, 0.2681, 0.3122



70.3758, 0.3350, 0.3100



70.3758, 0.3595, 0.3428

Sweetspot

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



70.3787, 0.2901, 0.3490



96.3849, 0.3052, 0.3350



71.1003, 0.3220, 0.3876



20.5668, 0.3046, 0.3355



0.0000, 0.0000, 0.0000



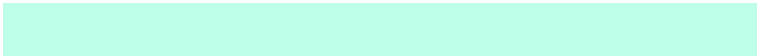
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3787, 0.2901, 0.3490



88.1504, 0.2859, 0.3535



67.2256, 0.2797, 0.3202



16.2486, 0.3027, 0.3371



33.3410, 0.2567, 0.4441



2.4810, 0.2514, 0.4252

Inverse Universe

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



52.9035, 0.3422, 0.3099



62.2436, 0.3497, 0.3059



55.2585, 0.3552, 0.3376



14.4486, 0.3239, 0.3210



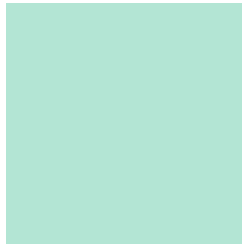
9.8590, 0.5607, 0.2862



0.7455, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 70.3758, 0.2901, 0.3490 looks on a white background.

Color Contrast Check

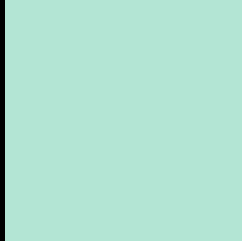
Large Text (above 18pt) WCAG AA × Fail

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 70.3758, 0.2901, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

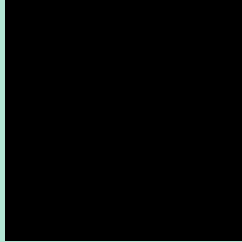
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

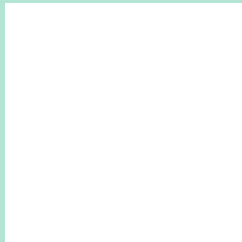
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3758, 0.2901, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 70.3758, 0.2901, 0.3490.

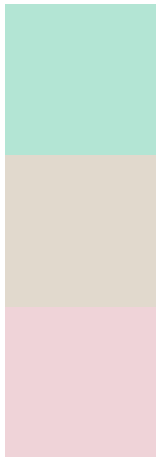


This preview shows how white text looks on a background with the Yxy color 70.3758, 0.2901, 0.3490.

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

70.3758, 0.2901, 0.3490

Protanopia

70.0410, 0.3268, 0.3422

Deuteranopia

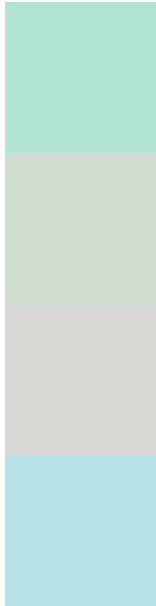
69.8971, 0.3302, 0.3238



Tritanopia

70.0364, 0.2762, 0.3086

Trichromacy



Original Color

70.3758, 0.2901, 0.3490

Protanomaly

69.6769, 0.3120, 0.3437

Deuteranomaly

69.8008, 0.3140, 0.3323

Tritanomaly

70.2295, 0.2814, 0.3232

Monochromacy



Original Color

70.3758, 0.2901, 0.3490

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.1756, 0.3039, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3758, 0.2901, 0.3490 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(179, 229, 212)` looks like.

```
.text, #text, p{  
    color:rgb(179, 229, 212)  
}
```

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(179, 229, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 229, 212) }
```

Border

The CSS property to change the border of an element to Yxy 70.3758, 0.2901, 0.3490 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(179, 229, 212) }
```

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

```
.border{ border-color:rgb(179, 229, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 229, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 229, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 229, 212);  
box-shadow:4px 4px 4px 4px rgb(179, 229,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3758, 0.2901, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 229, 212) }
```

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

```
.background{ background-color: rgb(179,  
229, 212) }
```

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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