

Converting Colors

$Yxy(70.3842, 0.2999, 0.3532)$

Have a look what the booklet for
Yxy(70.3842, 0.2999, 0.3532)
contains.

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Color

Yxy(70.2132, 0.3001, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	BDE3CE
RGB	189, 227, 206
RGB Percent	74%, 89%, 81%
CMY	0.2586, 0.1098, 0.1922
CMYK	0.17, 0.00, 0.09, 0.11
HSL	147°, 40%, 82%
HSV	147°, 17%, 89%
XYZ	59.6067, 70.2132, 68.8030
YIQ	213.2440, -15.9070, -14.5870

Conversions

Conversions Part 2

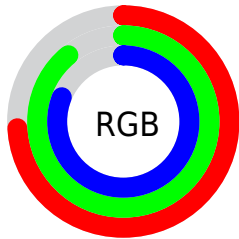
Format	Color
RYB	189, 215, 227
Decimal	12444622
CIELab	87.10, -16.42, 6.14
CIELCh	87, 17.532, 159.512
Yxy	70.2132, 0.3001, 0.3535
Android (android.graphics.Color)	4290634702 (0xFFBDE3CE)
YUV	213.2440, -3.5713, -21.2620
Hunter-Lab	83.7933, -19.6616, 9.9721

Details

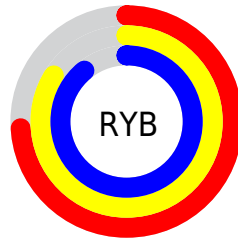
The Yxy color **70.2132, 0.3001, 0.3535** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.4065, 0.3277, 0.3057**, and the grayscale version is **66.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **36.9229, 0.2965, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **66.9493, 0.2929, 0.3704**, and if you desaturate by 10%, it is **73.9861, 0.3076, 0.3383**.

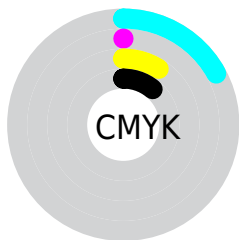
Distribution



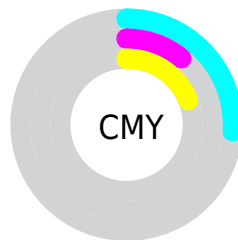
- Red (74%)
- Green (89%)
- Blue (81%)



- Red (74%)
- Yellow (84%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2132, 0.3001, 0.3535 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 70.2132, 0.3001, 0.3535 by changing the saturation by 10% instead.

 70.2132, 0.3001,
0.3535

 70.2132, 0.3001,
0.3535

461.2982, 0.3061,
0.3419

 51.7004, 0.2987,
0.3562


 119.5127, 0.3022,
0.3494

 36.7663, 0.2969,
0.3597


151.0682, 0.3030,
0.3478

 25.0266, 0.2947,
0.3641


187.7401, 0.3037,
0.3465

 16.0969, 0.2917,
0.3699

229.9127, 0.3043,
0.3453

 9.5927, 0.2875,
0.3782

277.9704, 0.3048,
0.3443

 5.1298, 0.2812,
0.3905


332.2976, 0.3053,

 2.3236, 0.2707,


0.3434


0.4111

393.2788, 0.3057,
0.3426


 0.7862, 0.2221,
0.5041


 0.0000, 0.0000,
0.0000


 70.2132, 0.3001,
0.3535


 70.2132, 0.3001,
0.3535


 66.9493, 0.2929,
0.3704


 73.9861, 0.3076,
0.3383


 64.1634, 0.2864,
0.3890

 78.2800, 0.3152,
0.3247

 61.8346, 0.2808,
0.4090

 82.7058, 0.3213,
0.3127

 59.9367, 0.2764,
0.4302

 83.4133, 0.3140,
0.3019

■ 58.4411, 0.2737,
0.4520

■ 57.3153, 0.2728,
0.4738

■ 56.5215, 0.2739,
0.4948

■ 56.0119, 0.2768,
0.5145

■ 55.8803, 0.2779,
0.5206

Harmonies

Analogous

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



70.2132, 0.3215, 0.3650



70.2132, 0.3001, 0.3535



70.2132, 0.2825, 0.3348

Triad

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



70.2132, 0.3001, 0.3535



70.2132, 0.2844, 0.2935



70.2132, 0.3542, 0.3406

Complementary

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



70.2132, 0.3001, 0.3535



57.4065, 0.3277, 0.3057

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.



70.2132, 0.3436, 0.3223



70.2132, 0.3001, 0.3535



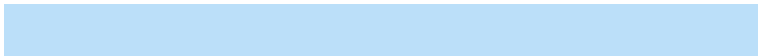
70.2132, 0.3029, 0.2958

Square

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



70.2132, 0.3001, 0.3535



70.2132, 0.2737, 0.3002



70.2132, 0.3246, 0.3062



70.2132, 0.3531, 0.3566

Rectangle

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



70.2132, 0.3001, 0.3535



70.2132, 0.2751, 0.3214



70.2132, 0.3246, 0.3062



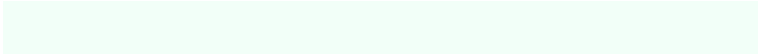
70.2132, 0.3518, 0.3345

Sweetspot

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



70.2162, 0.3001, 0.3535



97.2154, 0.3089, 0.3359



72.3932, 0.3258, 0.3720



20.7273, 0.3083, 0.3369



0.0000, 0.0000, 0.0000



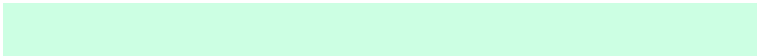
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2162, 0.3001, 0.3535



89.8911, 0.2976, 0.3591



71.1668, 0.2890, 0.3318



16.1956, 0.3055, 0.3423



32.6152, 0.2772, 0.5178



2.4286, 0.2693, 0.4894

Inverse Universe

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



57.4065, 0.3277, 0.3057



70.2846, 0.3313, 0.3007



56.5384, 0.3425, 0.3262



14.5008, 0.3206, 0.3161



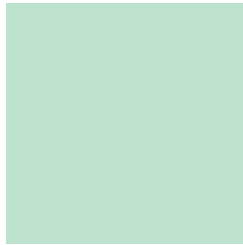
10.4209, 0.4729, 0.2379



0.7887, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 70.2132, 0.3001, 0.3535 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 70.2132, 0.3001, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

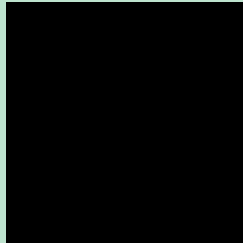
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

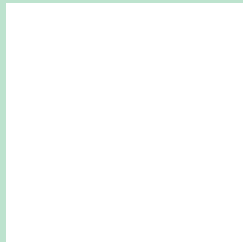
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2132, 0.3001, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 70.2132, 0.3001, 0.3535.

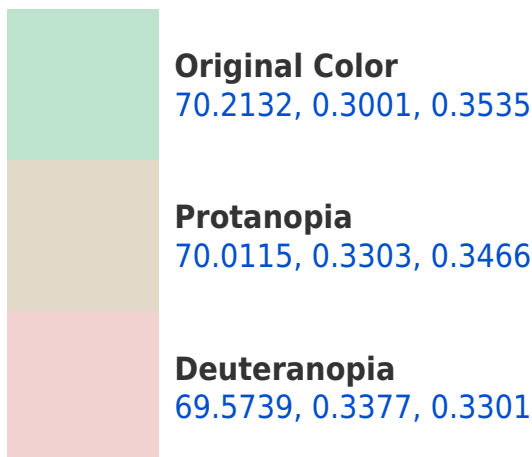


This preview shows how white text looks on a background with the Yxy color 70.2132, 0.3001, 0.3535.

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

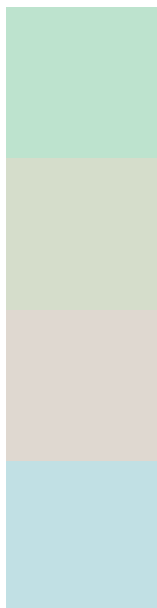




Tritanopia

70.1359, 0.2834, 0.3089

Trichromacy



Original Color

70.2132, 0.3001, 0.3535

Protanomaly

70.1708, 0.3189, 0.3493

Deuteranomaly

69.3538, 0.3233, 0.3378

Tritanomaly

70.2502, 0.2893, 0.3244

Monochromacy



Original Color

70.2132, 0.3001, 0.3535

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.6333, 0.3080, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2132, 0.3001, 0.3535 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(189, 227, 206)` looks like.

```
.text, #text, p{  
    color:rgb(189, 227, 206)  
}
```

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(189, 227, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 227, 206) }
```

Border

The CSS property to change the border of an element to Yxy 70.2132, 0.3001, 0.3535 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(189, 227, 206) }
```

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

```
.border{ border-color:rgb(189, 227, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 227, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 227, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 227, 206);  
box-shadow:4px 4px 4px 4px rgb(189, 227,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2132, 0.3001, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 227, 206) }
```

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

```
.background{ background-color: rgb(189,  
227, 206) }
```

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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