

Converting Colors

$Yxy(68.6653, 0.3002, 0.3577)$

Have a look what the booklet for
Yxy(68.6653, 0.3002, 0.3577)
contains.

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Color

Yxy(68.9240, 0.3005, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	B9E2C9
RGB	185, 226, 201
RGB Percent	73%, 89%, 79%
CMY	0.2743, 0.1138, 0.2117
CMYK	0.18, 0.00, 0.11, 0.11
HSL	143°, 41%, 81%
HSV	143°, 18%, 89%
XYZ	57.7570, 68.9240, 65.5220
YIQ	210.8910, -16.4110, -16.4670

Conversions

Conversions Part 2

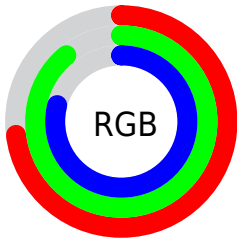
Format	Color
RYB	185, 214, 226
Decimal	12182217
CIELab	86.47, -18.16, 7.81
CIELCh	86, 19.770, 156.718
Yxy	68.9240, 0.3005, 0.3586
Android (android.graphics.Color)	4290372297 (0xFFB9E2C9)
YUV	210.8910, -4.8763, -22.7064
Hunter-Lab	83.0205, -21.1041, 11.3211

Details

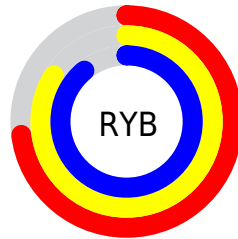
The Yxy color **68.9240, 0.3005, 0.3586** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5441, 0.3273, 0.3011**, and the grayscale version is **65.1148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **36.0577, 0.2970, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **65.7146, 0.2941, 0.3776**, and if you desaturate by 10%, it is **72.6442, 0.3072, 0.3415**.

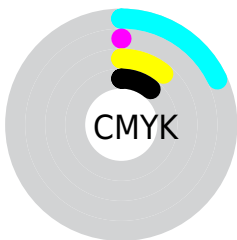
Distribution



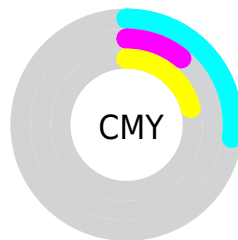
- Red (73%)
- Green (89%)
- Blue (79%)



- Red (73%)
- Yellow (84%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (27%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9240, 0.3005, 0.3586 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 68.9240, 0.3005, 0.3586 by changing the saturation by 10% instead.


 68.9240, 0.3005,
0.3586

 68.9240, 0.3005,
0.3586


456.7629, 0.3064,
0.3445

 50.6498, 0.2991,
0.3619


 117.6730, 0.3026,
0.3536

 35.9300, 0.2974,
0.3662


148.9166, 0.3034,
0.3517

 24.3801, 0.2951,
0.3716


185.2522, 0.3041,
0.3500

 15.6158, 0.2920,
0.3789

227.0641, 0.3046,
0.3486

 9.2527, 0.2877,
0.3891

274.7367, 0.3052,
0.3474

 4.9064, 0.2812,
0.4047

328.6545, 0.3056,

 2.1924, 0.2700,

0.3463

0.4311

389.2017, 0.3060,
0.3453

0.7159, 0.1999,
0.6036

0.0000, 0.0000,
0.0000

68.9240, 0.3005,
0.3586

68.9240, 0.3005,
0.3586

65.7146, 0.2941,
0.3776

72.6442, 0.3072,
0.3415

62.9848, 0.2883,
0.3985

76.8878, 0.3140,
0.3263

60.7132, 0.2834,
0.4209

81.6774, 0.3207,
0.3129

58.8731, 0.2797,
0.4444

82.8681, 0.3140,
0.3009

■ 57.4354, 0.2776,
0.4684

■ 56.3667, 0.2773,
0.4920

■ 55.6281, 0.2789,
0.5143

■ 55.1653, 0.2821,
0.5344

■ 55.0938, 0.2828,
0.5380

Harmonies

Analogous

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



68.9240, 0.3248, 0.3707



68.9240, 0.3005, 0.3586



68.9240, 0.2800, 0.3377

Triad

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



68.9240, 0.3005, 0.3586



68.9240, 0.2791, 0.2891



68.9240, 0.3592, 0.3400

Complementary

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



68.9240, 0.3005, 0.3586



55.5441, 0.3273, 0.3011

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.



68.9240, 0.3460, 0.3195



68.9240, 0.3005, 0.3586



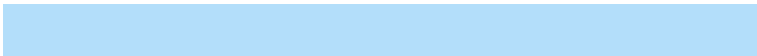
68.9240, 0.2993, 0.2909

Square

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



68.9240, 0.3005, 0.3586



68.9240, 0.2680, 0.2975



68.9240, 0.3238, 0.3019



68.9240, 0.3593, 0.3587

Rectangle

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



68.9240, 0.3005, 0.3586



68.9240, 0.2711, 0.3223



68.9240, 0.3238, 0.3019



68.9240, 0.3562, 0.3331

Sweetspot

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



68.9269, 0.3005, 0.3586



97.1704, 0.3093, 0.3366



71.6390, 0.3283, 0.3756



20.7164, 0.3088, 0.3377



0.0000, 0.0000, 0.0000



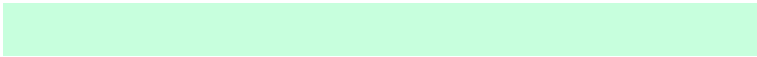
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9269, 0.3005, 0.3586



88.8562, 0.2979, 0.3661



69.9414, 0.2883, 0.3345



15.4253, 0.3063, 0.3437



31.4554, 0.2820, 0.5351



2.1975, 0.2733, 0.5038

Inverse Universe

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



55.5441, 0.3273, 0.3011



67.9520, 0.3312, 0.2947



54.5994, 0.3438, 0.3237



13.8404, 0.3197, 0.3148



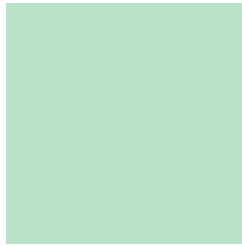
10.2939, 0.4493, 0.2249



0.7309, 0.4242, 0.2110

Previews

White Background



This preview shows how the Yxy color 68.9240, 0.3005, 0.3586 looks on a white background.

Color Contrast Check

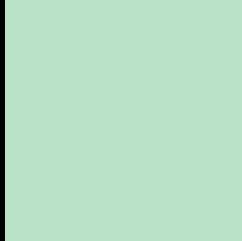
Large Text (above 18pt) WCAG AA × Fail

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 68.9240, 0.3005, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

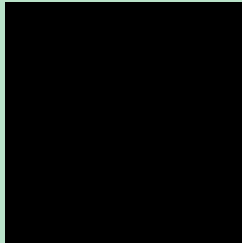
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

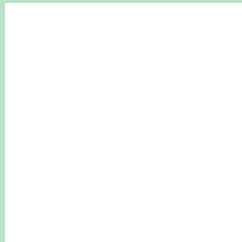
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9240, 0.3005, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 68.9240, 0.3005, 0.3586.

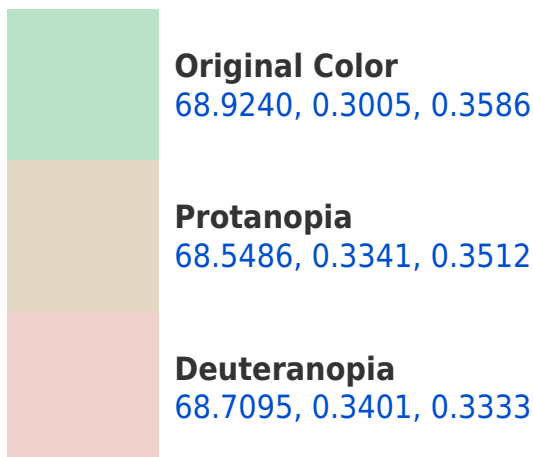


This preview shows how white text looks on a background with the Yxy color 68.9240, 0.3005, 0.3586.

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

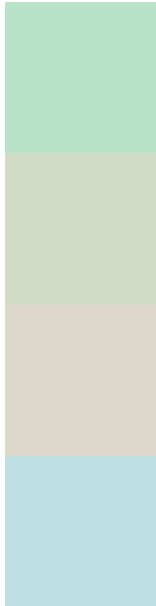




Tritanopia

69.0924, 0.2826, 0.3098

Trichromacy



Original Color

68.9240, 0.3005, 0.3586

Protanomaly

68.3959, 0.3209, 0.3541

Deuteranomaly

68.3327, 0.3247, 0.3413

Tritanomaly

69.0304, 0.2885, 0.3266

Monochromacy



Original Color

68.9240, 0.3005, 0.3586

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.1733, 0.3086, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9240, 0.3005, 0.3586 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(185, 226, 201)` looks like.

```
.text, #text, p{  
    color:rgb(185, 226, 201)  
}
```

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(185, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 226, 201) }
```

Border

The CSS property to change the border of an element to Yxy 68.9240, 0.3005, 0.3586 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(185, 226, 201) }
```

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

```
.border{ border-color:rgb(185, 226, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 226, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(185, 226,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9240, 0.3005, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 226, 201) }
```

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

```
.background{ background-color: rgb(185,  
226, 201) }
```

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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