

Converting Colors

$Yxy(68.3068, 0.3006, 0.3619)$

Have a look what the booklet for
Yxy(68.3068, 0.3006, 0.3619)
contains.

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Color

Yxy(68.5372, 0.3010, 0.3624)

Conversions

Conversions Part 1

Format	Color
Hex	B7E2C6
RGB	183, 226, 198
RGB Percent	72%, 89%, 78%
CMY	0.2822, 0.1137, 0.2235
CMYK	0.19, 0.00, 0.12, 0.11
HSL	141°, 43%, 80%
HSV	141°, 19%, 89%
XYZ	56.9252, 68.5372, 63.6579
YIQ	209.9510, -16.6400, -17.8240

Conversions

Conversions Part 2

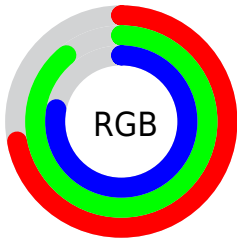
Format	Color
RYB	183, 215, 226
Decimal	12051142
CIELab	86.27, -19.38, 9.10
CIELCh	86, 21.406, 154.842
Yxy	68.5372, 0.3010, 0.3624
Android (android.graphics.Color)	4290241222 (0xFFB7E2C6)
YUV	209.9510, -5.8918, -23.6360
Hunter-Lab	82.7872, -22.1394, 12.3609

Details

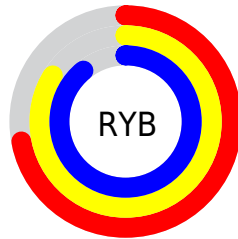
The Yxy color **68.5372, 0.3010, 0.3624** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.7564, 0.3267, 0.2978**, and the grayscale version is **64.4689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **35.8066, 0.2977, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **65.3400, 0.2952, 0.3830**, and if you desaturate by 10%, it is **72.2512, 0.3071, 0.3439**.

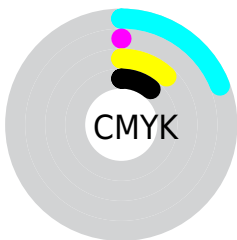
Distribution



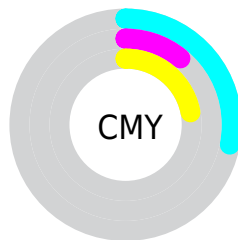
- Red (72%)
- Green (89%)
- Blue (78%)



- Red (72%)
- Yellow (84%)
- Blue (89%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)





- Cyan (28%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5372, 0.3010, 0.3624 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 68.5372, 0.3010, 0.3624 by changing the saturation by 10% instead.

 68.5372, 0.3010,
0.3624

 68.5372, 0.3010,
0.3624

455.3970, 0.3067,
0.3464

 50.3349, 0.2996,
0.3662

 117.1203, 0.3030,
0.3567

 35.6796, 0.2979,
0.3710


148.2699, 0.3038,
0.3546

 24.1868, 0.2957,
0.3772


184.5041, 0.3044,
0.3527

 15.4723, 0.2927,
0.3855

226.2072, 0.3050,
0.3511

 9.1515, 0.2883,
0.3973

273.7636, 0.3055,
0.3497

 4.8401, 0.2817,
0.4153

327.5578, 0.3059,

 2.1538, 0.2702,

0.3485

0.4458

387.9741, 0.3063,
0.3474

0.6946, 0.1869,
0.6933

0.0000, 0.0000,
0.0000

68.5372, 0.3010,
0.3624

68.5372, 0.3010,
0.3624

65.3400, 0.2952,
0.3830

72.2512, 0.3071,
0.3439

62.6280, 0.2899,
0.4055

76.4949, 0.3133,
0.3275

60.3790, 0.2855,
0.4296

81.2915, 0.3195,
0.3130

58.5660, 0.2822,
0.4548

82.8703, 0.3140,
0.3009

■ 57.1588, 0.2805,
0.4803

■ 56.1235, 0.2806,
0.5049

■ 55.4199, 0.2824,
0.5277

■ 54.9869, 0.2857,
0.5477

■ 54.9510, 0.2860,
0.5495

Harmonies

Analogous

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



68.5372, 0.3274, 0.3748



68.5372, 0.3010, 0.3624



68.5372, 0.2784, 0.3399

Triad

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



68.5372, 0.3010, 0.3624



68.5372, 0.2752, 0.2861



68.5372, 0.3627, 0.3394

Complementary

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



68.5372, 0.3010, 0.3624



54.7564, 0.3267, 0.2978

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.



68.5372, 0.3476, 0.3174



68.5372, 0.3010, 0.3624



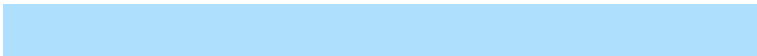
68.5372, 0.2965, 0.2874

Square

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



68.5372, 0.3010, 0.3624



68.5372, 0.2640, 0.2957



68.5372, 0.3230, 0.2987



68.5372, 0.3637, 0.3599

Rectangle

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



68.5372, 0.3010, 0.3624



68.5372, 0.2683, 0.3232



68.5372, 0.3230, 0.2987



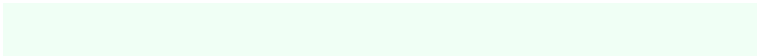
68.5372, 0.3591, 0.3320

Sweetspot

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



68.5401, 0.3010, 0.3624



96.5873, 0.3090, 0.3388



71.7600, 0.3307, 0.3778



20.5975, 0.3086, 0.3399



0.0000, 0.0000, 0.0000



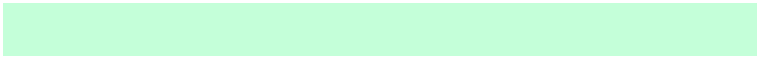
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5401, 0.3010, 0.3624



88.3013, 0.2985, 0.3707



69.5684, 0.2885, 0.3373



15.4157, 0.3069, 0.3447



31.3713, 0.2852, 0.5467



2.1910, 0.2764, 0.5152

Inverse Universe

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



54.7564, 0.3267, 0.2978



66.8710, 0.3304, 0.2907



53.7782, 0.3439, 0.3209



13.8503, 0.3191, 0.3138



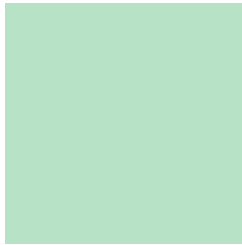
10.4540, 0.4328, 0.2158



0.7413, 0.4111, 0.2038

Previews

White Background



This preview shows how the Yxy color 68.5372, 0.3010, 0.3624 looks on a white background.

Color Contrast Check

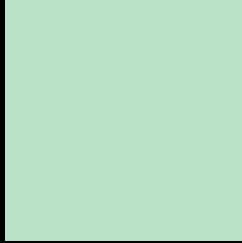
Large Text (above 18pt) WCAG AA × Fail

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 68.5372, 0.3010, 0.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

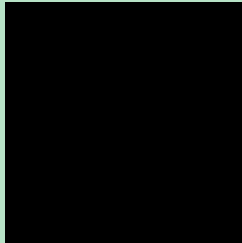
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

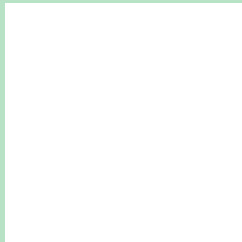
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5372, 0.3010, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 68.5372, 0.3010, 0.3624.

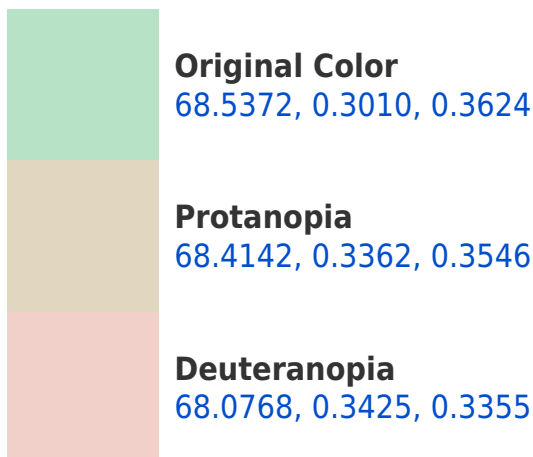


This preview shows how white text looks on a background with the Yxy color 68.5372, 0.3010, 0.3624.

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

68.3066, 0.2813, 0.3086

Trichromacy



Original Color

68.5372, 0.3010, 0.3624

Protanomaly

68.2597, 0.3230, 0.3576

Deuteranomaly

68.0336, 0.3260, 0.3447

Tritanomaly

68.1351, 0.2883, 0.3278

Monochromacy



Original Color

68.5372, 0.3010, 0.3624

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.8473, 0.3078, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5372, 0.3010, 0.3624 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(183, 226, 198)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 198)  
}
```

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(183, 226, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 198) }
```

Border

The CSS property to change the border of an element to Yxy 68.5372, 0.3010, 0.3624 is called "border". The border property can be set on classes, ids or directly on the HTML element.

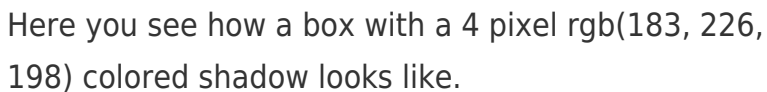
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 226, 198) }
```

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

```
.border{ border-color:rgb(183, 226, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 226, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 226, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 226, 198); box-shadow:4px 4px 4px 4px rgb(183, 226, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5372, 0.3010, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 198) }
```

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

```
.background{ background-color: rgb(183,  
226, 198) }
```

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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