

Converting Colors

$Yxy(70.4180, 0.3258, 0.4320)$

Have a look what the booklet for
Yxy(70.4180, 0.3258, 0.4320)
contains.

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Color

Yxy(70.3948, 0.3253, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	B1EA96
RGB	177, 234, 150
RGB Percent	69%, 92%, 59%
CMY	0.3059, 0.0823, 0.4117
CMYK	0.24, 0.00, 0.36, 0.08
HSL	101°, 67%, 75%
HSV	101°, 36%, 92%
XYZ	53.0571, 70.3948, 39.6501
YIQ	207.3810, -7.0080, -38.2080

Conversions

Conversions Part 2

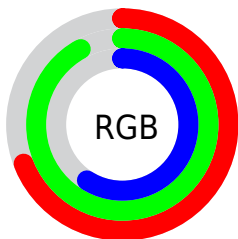
Format	Color
RYB	150, 234, 207
Decimal	11659926
CIELab	87.19, -33.09, 35.09
CIElCh	87, 48.236, 133.320
Yxy	70.3948, 0.3253, 0.4316
Android (android.graphics.Color)	4289850006 (0xFFB1EA96)
YUV	207.3810, -28.2888, -26.6441
Hunter-Lab	83.9016, -33.9493, 30.7120

Details

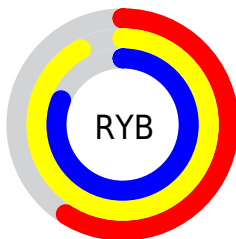
The Yxy color **70.3948, 0.3253, 0.4316** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.0291, 0.2933, 0.2337**, and the grayscale version is **62.8450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4202, 0.3285, 0.3803**, and **36.9336, 0.3265, 0.4587** is the 20% darker color. If you saturate the color by 10%, you get **67.9595, 0.3274, 0.4641**, and if you desaturate by 10%, it is **73.2039, 0.3223, 0.4002**.

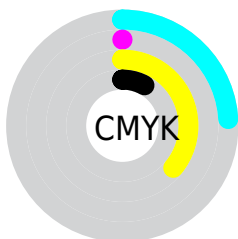
Distribution



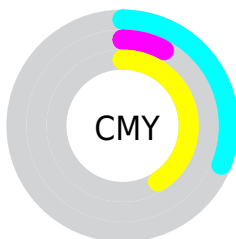
- Red (69%)
- Green (92%)
- Blue (59%)



- Red (59%)
- Yellow (92%)
- Blue (81%)



- Cyan (24%)
- Magenta (0%)
- Yellow (36%)
- Black (8%)




- Cyan (31%)
- Magenta (8%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3948, 0.3253, 0.4316 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 70.3948, 0.3253, 0.4316 by changing the saturation by 10% instead.


 70.3948, 0.3253,
0.4316

 70.3948, 0.3253,
0.4316


461.9350, 0.3211,
0.3815

 51.8485, 0.3258,
0.4436


 119.7716, 0.3242,
0.4137

 36.8843, 0.3261,
0.4587


 151.3708, 0.3237,
0.4069

 25.1179, 0.3259,
0.4782


188.0898, 0.3232,
0.4011

 16.1649, 0.3249,
0.5041

230.3130, 0.3227,
0.3961

 9.6409, 0.3216,
0.5401

278.4247, 0.3222,
0.3918

 5.1615, 0.3130,
0.5924

332.8093, 0.3218,

 2.3424, 0.3015,

0.3879

0.6985

393.8513, 0.3214,
0.3845

0.7960, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.3948, 0.3253,
0.4316

70.3948, 0.3253,
0.4316

67.9595, 0.3274,
0.4641

73.2039, 0.3223,
0.4002

65.8725, 0.3284,
0.4961

76.3930, 0.3188,
0.3707

64.1190, 0.3279,
0.5260

79.9795, 0.3150,
0.3437

62.6794, 0.3257,
0.5516

83.9772, 0.3111,
0.3193

■ 61.5317, 0.3221,
0.5713

■ 87.3303, 0.3137,
0.3088

■ 60.6499, 0.3171,
0.5842

■ 60.3516, 0.3151,
0.5880

Harmonies

Analogous

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



70.3948, 0.3805, 0.4319



70.3948, 0.3253, 0.4316



70.3948, 0.2695, 0.3940

Triad

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



70.3948, 0.3253, 0.4316



70.3948, 0.2139, 0.2475



70.3948, 0.4037, 0.3143

Complementary

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



70.3948, 0.3253, 0.4316



41.0291, 0.2933, 0.2337

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.



70.3948, 0.3511, 0.2746



70.3948, 0.3253, 0.4316



70.3948, 0.2425, 0.2369

Square

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



70.3948, 0.3253, 0.4316



70.3948, 0.2087, 0.2810



70.3948, 0.2913, 0.2471



70.3948, 0.4292, 0.3596

Rectangle

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



70.3948, 0.3253, 0.4316



70.3948, 0.2394, 0.3553



70.3948, 0.2913, 0.2471



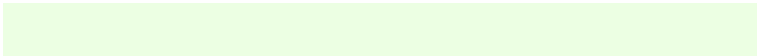
70.3948, 0.3883, 0.3001

Sweetspot

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



70.3978, 0.3253, 0.4316



94.8887, 0.3170, 0.3573



63.8437, 0.3767, 0.3910



20.1842, 0.3175, 0.3610



0.0000, 0.0000, 0.0000



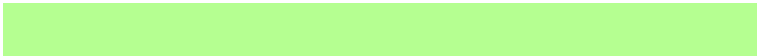
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3978, 0.3253, 0.4316



83.3454, 0.3269, 0.4553



68.0164, 0.2999, 0.4188



17.0969, 0.3164, 0.3530



33.9716, 0.3161, 0.5872



2.7176, 0.3266, 0.5789

Inverse Universe

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



41.0291, 0.2933, 0.2337



42.7613, 0.2880, 0.2135



44.4787, 0.3291, 0.2534



15.0573, 0.3087, 0.3054



7.5431, 0.2414, 0.1103



0.6436, 0.2526, 0.1165

Previews

White Background



This preview shows how the Yxy color 70.3948, 0.3253, 0.4316 looks on a white background.

Color Contrast Check

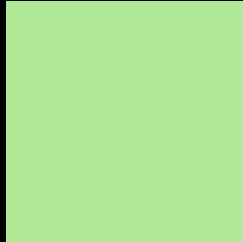
Large Text (above 18pt) WCAG AA × Fail

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 70.3948, 0.3253, 0.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

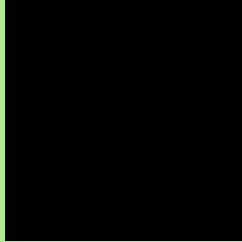
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3948, 0.3253, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 70.3948, 0.3253, 0.4316.

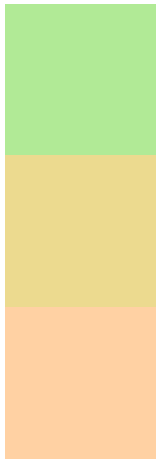


This preview shows how white text looks on a background with the Yxy color 70.3948, 0.3253, 0.4316.

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

70.3948, 0.3253, 0.4316

Protanopia

69.9588, 0.3786, 0.4099

Deuteranopia

69.5053, 0.3829, 0.3767



Tritanopia

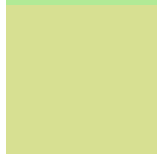
70.2026, 0.2804, 0.3088

Trichromacy



Original Color

70.3948, 0.3253, 0.4316



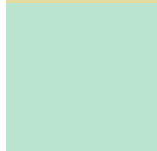
Protanomaly

69.8337, 0.3580, 0.4176



Deuteranomaly

68.9423, 0.3612, 0.3958



Tritanomaly

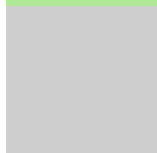
69.9313, 0.2969, 0.3512

Monochromacy



Original Color

70.3948, 0.3253, 0.4316



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.9066, 0.3182, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3948, 0.3253, 0.4316 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(177, 234, 150)` looks like.

```
.text, #text, p{  
    color:rgb(177, 234, 150)  
}
```

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(177, 234, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 234, 150) }
```

Border

The CSS property to change the border of an element to Yxy 70.3948, 0.3253, 0.4316 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(177, 234, 150) }
```

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

```
.border{ border-color:rgb(177, 234, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 234, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 234, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 234, 150);  
box-shadow:4px 4px 4px 4px rgb(177, 234,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3948, 0.3253, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 234, 150) }
```

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

```
.background{ background-color: rgb(177,  
234, 150) }
```

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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