

Converting Colors

$Yxy(69.0123, 0.3050, 0.3846)$

Have a look what the booklet for
Yxy(69.0123, 0.3050, 0.3846)
contains.

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Color

Yxy(68.7294, 0.3048, 0.3839)

Conversions

Conversions Part 1

Format	Color
Hex	B0E5B8
RGB	176, 229, 184
RGB Percent	69%, 90%, 72%
CMY	0.3100, 0.1019, 0.2785
CMYK	0.23, 0.00, 0.20, 0.10
HSL	129°, 51%, 79%
HSV	129°, 23%, 90%
XYZ	54.5682, 68.7294, 55.7319
YIQ	208.0230, -17.1430, -25.2310

Conversions

Conversions Part 2

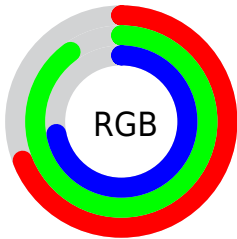
Format	Color
RYB	176, 222, 229
Decimal	11593144
CIELab	86.37, -25.69, 16.52
CIELCh	86, 30.538, 147.261
Yxy	68.7294, 0.3048, 0.3839
Android (android.graphics.Color)	4289783224 (0xFFB0E5B8)
YUV	208.0230, -11.8433, -28.0842
Hunter-Lab	82.9032, -27.5891, 18.1744

Details

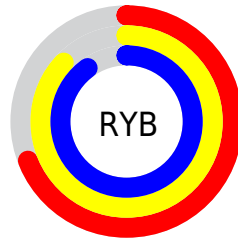
The Yxy color **68.7294, 0.3048, 0.3839** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.9159, 0.3218, 0.2797**, and the grayscale version is **63.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9671, 0.3071, 0.3440**, and **35.6634, 0.3019, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **65.5250, 0.3015, 0.4122**, and if you desaturate by 10%, it is **72.5019, 0.3082, 0.3583**.

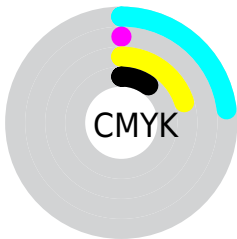
Distribution



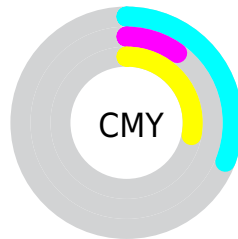
- Red (69%)
- Green (90%)
- Blue (72%)



- Red (69%)
- Yellow (87%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (10%)




- Cyan (31%)
- Magenta (10%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7294, 0.3048, 0.3839 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 68.7294, 0.3048, 0.3839 by changing the saturation by 10% instead.

 68.7294, 0.3048,
0.3839

 68.7294, 0.3048,
0.3839


456.0760, 0.3090,
0.3573

 50.4914, 0.3037,
0.3903


 117.3950, 0.3064,
0.3744

 35.8040, 0.3023,
0.3984

148.5913, 0.3069,
0.3708

 24.2828, 0.3003,
0.4089


184.8759, 0.3074,
0.3677

 15.5436, 0.2975,
0.4231

226.6331, 0.3078,
0.3650

 9.2018, 0.2933,
0.4434

274.2473, 0.3082,
0.3627

 4.8730, 0.2862,
0.4744


328.1029, 0.3085,

 2.1729, 0.2727,


0.3607

0.5283


388.5844, 0.3087,
0.3589


 0.7052, 0.0577,
0.9423


 0.0000, 0.0000,
0.0000


 68.7294, 0.3048,
0.3839

 68.7294, 0.3048,
0.3839

 65.5250, 0.3015,
0.4122

 72.5019, 0.3082,
0.3583


 62.8528, 0.2985,
0.4427

 76.8591, 0.3117,
0.3356

 60.6863, 0.2960,
0.4745

 81.8275, 0.3150,
0.3157

 58.9934, 0.2944,
0.5059

 84.5262, 0.3139,
0.3039

■ 57.7379, 0.2937,
0.5352

■ 56.8787, 0.2942,
0.5603

■ 56.3663, 0.2957,
0.5794

■ 56.1655, 0.2969,
0.5887

Harmonies

Analogous

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



68.7294, 0.3421, 0.3964



68.7294, 0.3048, 0.3839



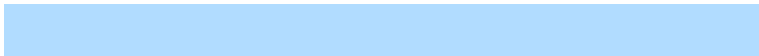
68.7294, 0.2710, 0.3535

Triad

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



68.7294, 0.3048, 0.3839



68.7294, 0.2545, 0.2704



68.7294, 0.3806, 0.3348

Complementary

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



68.7294, 0.3048, 0.3839



52.9159, 0.3218, 0.2797

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.



68.7294, 0.3544, 0.3051



68.7294, 0.3048, 0.3839



68.7294, 0.2809, 0.2691

Square

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



68.7294, 0.3048, 0.3839



68.7294, 0.2433, 0.2870



68.7294, 0.3172, 0.2817



68.7294, 0.3872, 0.3649

Rectangle

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



68.7294, 0.3048, 0.3839



68.7294, 0.2547, 0.3290



68.7294, 0.3172, 0.2817



68.7294, 0.3738, 0.3245

Sweetspot

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



68.7323, 0.3048, 0.3839



95.8328, 0.3103, 0.3441



74.5603, 0.3417, 0.3879



20.4391, 0.3101, 0.3454



0.0000, 0.0000, 0.0000



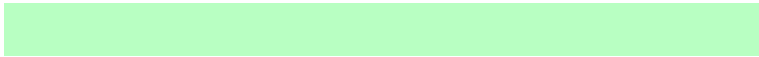
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7323, 0.3048, 0.3839



85.5743, 0.3031, 0.3977



69.9474, 0.2891, 0.3510



16.1245, 0.3095, 0.3495



32.1193, 0.2964, 0.5870



2.3846, 0.2900, 0.5640

Inverse Universe

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



52.9159, 0.3218, 0.2797



61.9185, 0.3241, 0.2688



51.6152, 0.3440, 0.3081



14.5758, 0.3161, 0.3093



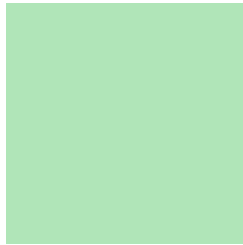
11.7744, 0.3632, 0.1774



0.8803, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 68.7294, 0.3048, 0.3839 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 68.7294, 0.3048, 0.3839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

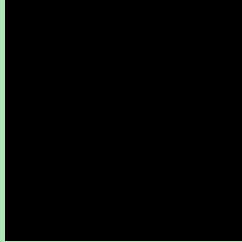
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

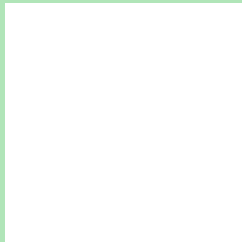
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7294, 0.3048, 0.3839

Background



This preview shows how black text looks on a background with the Yxy color 68.7294, 0.3048, 0.3839.

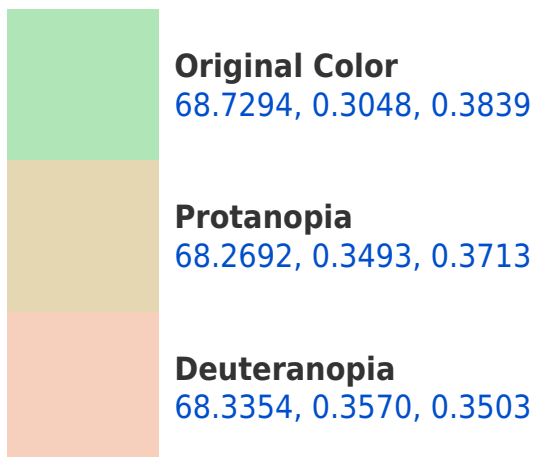


This preview shows how white text looks on a background with the Yxy color 68.7294, 0.3048, 0.3839.

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

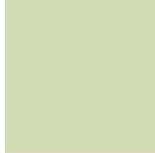
68.3840, 0.2783, 0.3085

Trichromacy



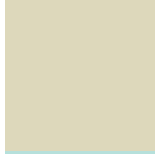
Original Color

68.7294, 0.3048, 0.3839



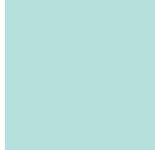
Protanomaly

68.0370, 0.3316, 0.3753



Deuteranomaly

68.0717, 0.3365, 0.3616



Tritanomaly

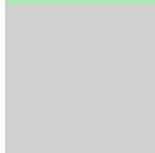
68.3709, 0.2876, 0.3348

Monochromacy



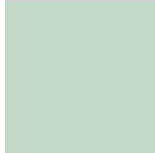
Original Color

68.7294, 0.3048, 0.3839



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.9710, 0.3096, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7294, 0.3048, 0.3839 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(176, 229, 184)` looks like.

```
.text, #text, p{  
    color:rgb(176, 229, 184)  
}
```

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(176, 229, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 229, 184) }
```

Border

The CSS property to change the border of an element to Yxy 68.7294, 0.3048, 0.3839 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(176, 229, 184) }
```

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

```
.border{ border-color:rgb(176, 229, 184) }
```

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

Here you see how a box with a 4 pixel rgb(176, 229, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 229, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 229, 184);  
box-shadow:4px 4px 4px 4px rgb(176, 229,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7294, 0.3048, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 229, 184) }
```

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

```
.background{ background-color: rgb(176,  
229, 184) }
```

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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