

Converting Colors

Yxy(69.7413, 0.3047, 0.3828)

Have a look what the booklet for
Yxy(69.7413, 0.3047, 0.3828)
contains.

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Color

Yxy(69.6038, 0.3049, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	B2E6BA
RGB	178, 230, 186
RGB Percent	70%, 90%, 73%
CMY	0.3021, 0.0980, 0.2707
CMYK	0.23, 0.00, 0.19, 0.10
HSL	129°, 51%, 80%
HSV	129°, 23%, 90%
XYZ	55.5119, 69.6038, 56.9502
YIQ	209.4360, -16.8680, -24.7080

Conversions

Conversions Part 2

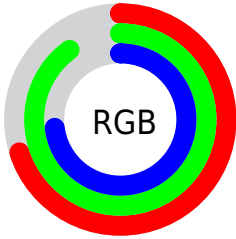
Format	Color
RYB	178, 223, 230
Decimal	11724474
CIELab	86.80, -25.17, 16.10
CIElCh	87, 29.879, 147.387
Yxy	69.6038, 0.3049, 0.3823
Android (android.graphics.Color)	4289914554 (0xFFB2E6BA)
YUV	209.4360, -11.5539, -27.5694
Hunter-Lab	83.4289, -27.2303, 17.9277

Details

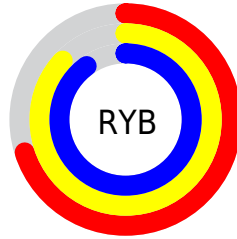
The Yxy color **69.6038, 0.3049, 0.3823** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.9269, 0.3217, 0.2810**, and the grayscale version is **64.1418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4232, 0.3072, 0.3420**, and **36.2506, 0.3020, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **66.3388, 0.3015, 0.4104**, and if you desaturate by 10%, it is **73.4436, 0.3084, 0.3569**.

Distribution



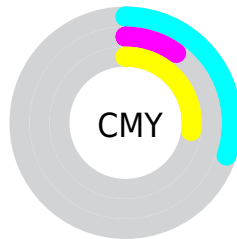
- Red (70%)
- Green (90%)
- Blue (73%)



- Red (70%)
- Yellow (87%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (10%)





- Cyan (30%)
- Magenta (10%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6038, 0.3049, 0.3823 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 69.6038, 0.3049, 0.3823 by changing the saturation by 10% instead.

 69.6038, 0.3049,
0.3823

 69.6038, 0.3049,
0.3823

459.1576, 0.3090,
0.3565

 51.2036, 0.3038,
0.3885


 118.6436, 0.3064,
0.3731

 36.3707, 0.3024,
0.3963


150.0519, 0.3070,
0.3696

 24.7206, 0.3006,
0.4064


186.5651, 0.3075,
0.3666

 15.8690, 0.2979,
0.4200

228.5676, 0.3079,
0.3641

 9.4315, 0.2938,
0.4394

276.4437, 0.3082,
0.3618

 5.0237, 0.2871,
0.4690

330.5778, 0.3085,

 2.2612, 0.2741,

0.3598

391.3543, 0.3088,
0.3581

0.5193

0.7530, 0.1186,
0.8814

0.0000, 0.0000,
0.0000

69.6038, 0.3049,
0.3823

69.6038, 0.3049,
0.3823

66.3388, 0.3015,
0.4104

73.4436, 0.3084,
0.3569

63.6124, 0.2985,
0.4407

77.8747, 0.3118,
0.3344

61.3982, 0.2960,
0.4724

82.9239, 0.3152,
0.3147

59.6636, 0.2943,
0.5038

85.0815, 0.3138,
0.3049

■ 58.3727, 0.2936,
0.5333

■ 57.4841, 0.2940,
0.5586

■ 56.9484, 0.2955,
0.5782

■ 56.7252, 0.2968,
0.5884

Harmonies

Analogous

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



69.6038, 0.3412, 0.3946



69.6038, 0.3049, 0.3823



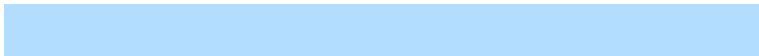
69.6038, 0.2720, 0.3527

Triad

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



69.6038, 0.3049, 0.3823



69.6038, 0.2560, 0.2719



69.6038, 0.3789, 0.3349

Complementary

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



69.6038, 0.3049, 0.3823



53.9269, 0.3217, 0.2810

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.



69.6038, 0.3535, 0.3058



69.6038, 0.3049, 0.3823



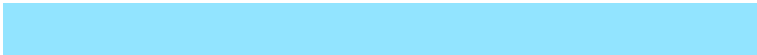
69.6038, 0.2818, 0.2705

Square

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



69.6038, 0.3049, 0.3823



69.6038, 0.2450, 0.2880



69.6038, 0.3173, 0.2829



69.6038, 0.3853, 0.3642

Rectangle

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



69.6038, 0.3049, 0.3823



69.6038, 0.2561, 0.3289



69.6038, 0.3173, 0.2829



69.6038, 0.3723, 0.3248

Sweetspot

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



69.6067, 0.3049, 0.3823



95.8355, 0.3103, 0.3440



75.3768, 0.3411, 0.3865



20.4397, 0.3101, 0.3454



0.0000, 0.0000, 0.0000



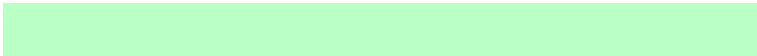
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6067, 0.3049, 0.3823



85.9976, 0.3034, 0.3947



70.8057, 0.2896, 0.3504



16.1252, 0.3095, 0.3495



32.1215, 0.2963, 0.5866



2.3849, 0.2898, 0.5634

Inverse Universe

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



53.9269, 0.3217, 0.2810



62.9972, 0.3238, 0.2712



52.6467, 0.3431, 0.3086



14.5751, 0.3161, 0.3093



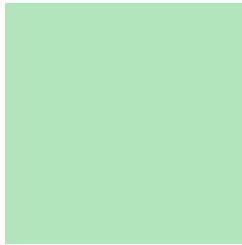
11.7594, 0.3640, 0.1779



0.8793, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 69.6038, 0.3049, 0.3823 looks on a white background.

Color Contrast Check

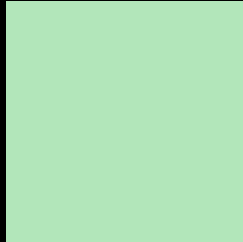
Large Text (above 18pt) WCAG AA × Fail

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 69.6038, 0.3049, 0.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

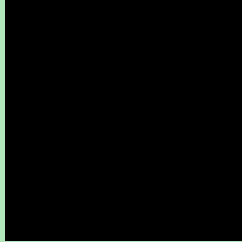
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

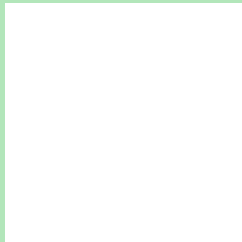
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6038, 0.3049, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 69.6038, 0.3049, 0.3823.

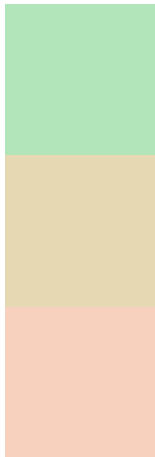


This preview shows how white text looks on a background with the Yxy color 69.6038, 0.3049, 0.3823.

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

69.6038, 0.3049, 0.3823

Protanopia

69.0244, 0.3484, 0.3700

Deuteranopia

69.0928, 0.3560, 0.3492



Tritanopia

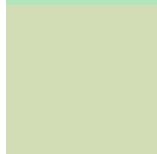
69.7580, 0.2791, 0.3098

Trichromacy



Original Color

69.6038, 0.3049, 0.3823



Protanomaly

68.7919, 0.3309, 0.3739



Deuteranomaly

68.8294, 0.3357, 0.3604



Tritanomaly

69.7504, 0.2884, 0.3359

Monochromacy



Original Color

69.6038, 0.3049, 0.3823



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.8485, 0.3097, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6038, 0.3049, 0.3823 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(178, 230, 186)` looks like.

```
.text, #text, p{  
    color:rgb(178, 230, 186)  
}
```

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(178, 230, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 230, 186) }
```

Border

The CSS property to change the border of an element to Yxy 69.6038, 0.3049, 0.3823 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(178, 230, 186) }
```

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

```
.border{ border-color:rgb(178, 230, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 230, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 230, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 230, 186);  
box-shadow:4px 4px 4px 4px rgb(178, 230,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6038, 0.3049, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 230, 186) }
```

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

```
.background{ background-color: rgb(178,  
230, 186) }
```

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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