

Converting Colors

$Yxy(69.1070, 0.3300, 0.4171)$

Have a look what the booklet for
Yxy(69.1070, 0.3300, 0.4171)
contains.

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Color

Yxy(69.1303, 0.3303, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	BCE59C
RGB	188, 229, 156
RGB Percent	74%, 90%, 61%
CMY	0.2627, 0.1019, 0.3884
CMYK	0.18, 0.00, 0.32, 0.10
HSL	94°, 58%, 75%
HSV	94°, 32%, 90%
XYZ	54.7572, 69.1303, 41.8926
YIQ	208.4190, -1.0030, -31.3950

Conversions

Conversions Part 2

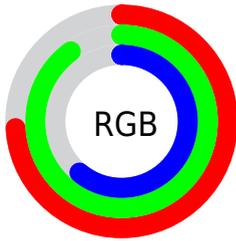
Format	Color
RYB	156, 229, 197
Decimal	12379548
CIELab	86.57, -26.06, 31.38
CIElCh	87, 40.791, 129.714
Yxy	69.1303, 0.3303, 0.4170
Android (android.graphics.Color)	4290569628 (0xFFBCE59C)
YUV	208.4190, -25.8426, -17.9075
Hunter-Lab	83.1446, -27.9471, 28.3278

Details

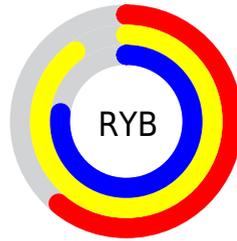
The Yxy color **69.1303, 0.3303, 0.4170** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2878, 0.2887, 0.2431**, and the grayscale version is **63.5343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6356, 0.3322, 0.3730**, and **35.9549, 0.3333, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **66.8688, 0.3346, 0.4478**, and if you desaturate by 10%, it is **71.6895, 0.3252, 0.3873**.

Distribution



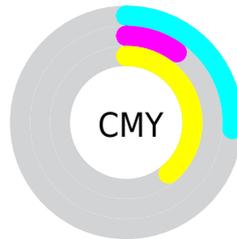
- Red (74%)
- Green (90%)
- Blue (61%)



- Red (61%)
- Yellow (90%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (32%)
- Black (10%)



- Cyan (26%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1303, 0.3303, 0.4170 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 69.1303, 0.3303, 0.4170 by changing the saturation by 10% instead.

 69.1303, 0.3303,
0.4170

 69.1303, 0.3303,
0.4170

457.4904, 0.3232,
0.3742

 50.8178, 0.3316,
0.4272

 117.9677, 0.3281,
0.4018

 36.0637, 0.3329,
0.4401

 149.2614, 0.3272,
0.3960

 24.4834, 0.3343,
0.4566

185.6509, 0.3263,
0.3910

 15.6926, 0.3354,
0.4787

227.5207, 0.3256,
0.3867

 9.3069, 0.3356,
0.5094

275.2552, 0.3249,
0.3830

 4.9419, 0.3326,
0.5542

329.2387, 0.3243,

 2.2132, 0.3392,

0.3797

0.6608

389.8556, 0.3237,
0.3768

0.7272, 0.0702,
0.9298

0.0000, 0.0000,
0.0000

69.1303, 0.3303,
0.4170

69.1303, 0.3303,
0.4170

66.8688, 0.3346,
0.4478

71.6895, 0.3252,
0.3873

64.8839, 0.3378,
0.4785

74.5487, 0.3196,
0.3593

63.1657, 0.3394,
0.5076

77.7213, 0.3138,
0.3336

61.6999, 0.3390,
0.5335

81.2174, 0.3081,
0.3103

 60.4706, 0.3366,
0.5545

 84.0100, 0.3121,
0.3037

 59.4592, 0.3322,
0.5696

 84.5223, 0.3139,
0.3039

 58.7777, 0.3277,
0.5780

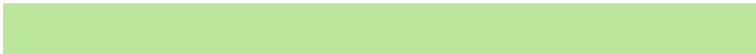
Harmonies

Analogous

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



69.1303, 0.3764, 0.4151



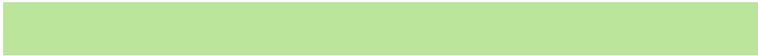
69.1303, 0.3303, 0.4170



69.1303, 0.2816, 0.3887

Triad

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



69.1303, 0.3303, 0.4170



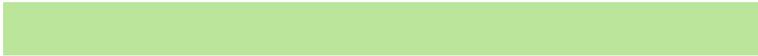
69.1303, 0.2256, 0.2617



69.1303, 0.3856, 0.3124

Complementary

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



69.1303, 0.3303, 0.4170



41.2878, 0.2887, 0.2431

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.



69.1303, 0.3395, 0.2785



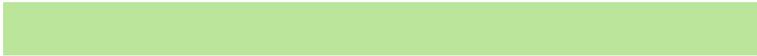
69.1303, 0.3303, 0.4170



69.1303, 0.2483, 0.2495

Square

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



69.1303, 0.3303, 0.4170



69.1303, 0.2237, 0.2935



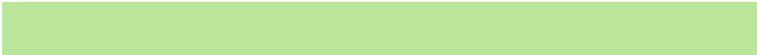
69.1303, 0.2890, 0.2560



69.1303, 0.4108, 0.3518

Rectangle

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



69.1303, 0.3303, 0.4170



69.1303, 0.2543, 0.3577



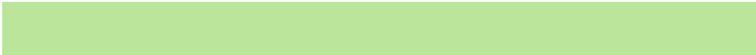
69.1303, 0.2890, 0.2560



69.1303, 0.3718, 0.3002

Sweetspot

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



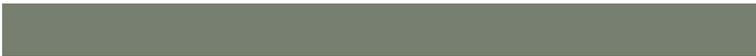
69.1333, 0.3303, 0.4170



95.8506, 0.3185, 0.3544



58.5999, 0.3715, 0.3748



20.3982, 0.3193, 0.3582



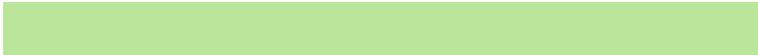
0.0000, 0.0000, 0.0000



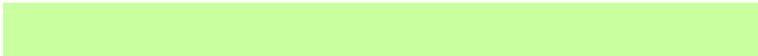
21.4041, 0.3127, 0.3290

Same Dimension

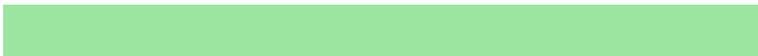
The Same Dimension uses a secret algorithm to generate beautiful new colors.



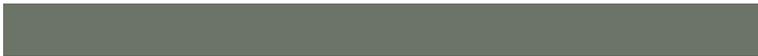
69.1333, 0.3303, 0.4170



86.3551, 0.3332, 0.4364



65.6312, 0.3062, 0.4183



16.3969, 0.3182, 0.3528



33.6726, 0.3288, 0.5771



2.5425, 0.3403, 0.5680

Inverse Universe

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



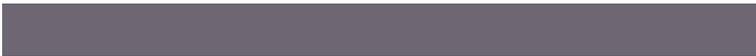
41.2878, 0.2887, 0.2431



45.7784, 0.2826, 0.2247



45.8793, 0.3195, 0.2535



14.2842, 0.3068, 0.3053



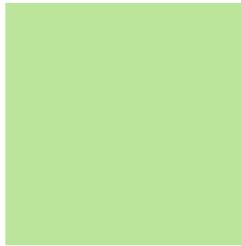
5.9552, 0.2150, 0.0958



0.4948, 0.2299, 0.1040

Previews

White Background



This preview shows how the Yxy color 69.1303, 0.3303, 0.4170 looks on a white background.

Color Contrast Check

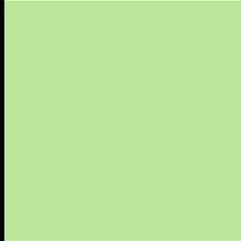
Large Text (above 18pt) WCAG AA × Fail

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 69.1303, 0.3303, 0.4170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

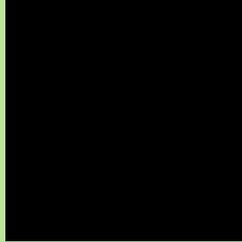
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1303, 0.3303, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 69.1303, 0.3303, 0.4170.

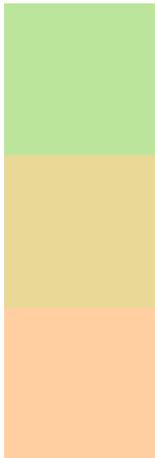


This preview shows how white text looks on a background with the Yxy color 69.1303, 0.3303, 0.4170.

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

69.1303, 0.3303, 0.4170

Protanopia

68.6374, 0.3722, 0.4013

Deuteranopia

68.4589, 0.3852, 0.3768



Tritanopia

68.9985, 0.2889, 0.3100

Trichromacy



Original Color

69.1303, 0.3303, 0.4170



Protanomaly

68.7316, 0.3565, 0.4075



Deuteranomaly

68.0930, 0.3646, 0.3909



Tritanomaly

69.0161, 0.3042, 0.3475

Monochromacy



Original Color

69.1303, 0.3303, 0.4170



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.2034, 0.3200, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1303, 0.3303, 0.4170 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(188, 229, 156)` looks like.

```
.text, #text, p{  
    color:rgb(188, 229, 156)  
}
```

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(188, 229, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 229, 156) }
```

Border

The CSS property to change the border of an element to Yxy 69.1303, 0.3303, 0.4170 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(188, 229, 156) }
```

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

```
.border{ border-color:rgb(188, 229, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 229, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 229, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 229, 156);  
box-shadow:4px 4px 4px 4px rgb(188, 229,  
156) }
```

Background

The CSS property to change the background color of an element to Yxy 69.1303, 0.3303, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 229, 156) }
```

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

```
.background{ background-color: rgb(188,  
229, 156) }
```

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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