

Converting Colors

$Yxy(69.0753, 0.3367, 0.4096)$

Have a look what the booklet for
Yxy(69.0753, 0.3367, 0.4096)
contains.

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Color

Yxy(68.8671, 0.3369, 0.4095)

Conversions

Conversions Part 1

Format	Color
Hex	C6E29E
RGB	198, 226, 158
RGB Percent	78%, 89%, 62%
CMY	0.2235, 0.1137, 0.3804
CMYK	0.12, 0.00, 0.30, 0.11
HSL	85°, 54%, 75%
HSV	85°, 30%, 89%
XYZ	56.6577, 68.8671, 42.6488
YIQ	209.8760, 5.1400, -27.0840

Conversions

Conversions Part 2

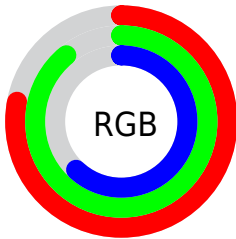
Format	Color
RYB	158, 226, 186
Decimal	13034142
CIELab	86.44, -20.74, 30.28
CIELCh	86, 36.706, 124.410
Yxy	68.8671, 0.3369, 0.4095
Android (android.graphics.Color)	4291224222 (0xFFC6E29E)
YUV	209.8760, -25.5749, -10.4153
Hunter-Lab	82.9862, -23.3574, 27.6196

Details

The Yxy color **68.8671, 0.3369, 0.4095** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.3786, 0.2819, 0.2464**, and the grayscale version is **64.5337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **36.0061, 0.3409, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **66.9365, 0.3440, 0.4384**, and if you desaturate by 10%, it is **71.0245, 0.3291, 0.3812**.

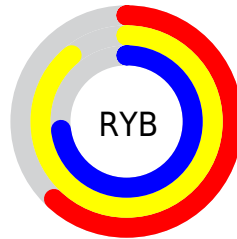
Distribution



Red (78%)

Green (89%)

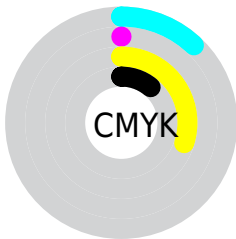
Blue (62%)



Red (62%)

Yellow (89%)

Blue (73%)

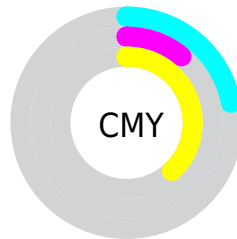


Cyan (12%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (22%)


Magenta (11%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8671, 0.3369, 0.4095 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 68.8671, 0.3369, 0.4095 by changing the saturation by 10% instead.


 68.8671, 0.3369,
0.4095


 68.8671, 0.3369,
0.4095


456.5621, 0.3265,
0.3706

 50.6035, 0.3390,
0.4187

 117.5917, 0.3335,
0.3957

 35.8931, 0.3414,
0.4303

 148.8215, 0.3321,
0.3905

 24.3517, 0.3442,
0.4451


185.1422, 0.3309,
0.3859

 15.5947, 0.3473,
0.4648

226.9381, 0.3298,
0.3821

 9.2378, 0.3504,
0.4920

274.5937, 0.3289,
0.3787

 4.8966, 0.3520,
0.5314


328.4932, 0.3280,

 2.1867, 0.3699,

0.3757


0.6301


389.0213, 0.3272,
0.3730


 0.7127, 0.1936,
0.8064


 0.0000, 0.0000,
0.0000


 68.8671, 0.3369,
0.4095


 68.8671, 0.3369,
0.4095


 66.9365, 0.3440,
0.4384


 71.0245, 0.3291,
0.3812

 65.2144, 0.3498,
0.4670


 73.4082, 0.3210,
0.3543


 63.6938, 0.3540,
0.4939


 76.0294, 0.3128,
0.3292

 62.3636, 0.3561,
0.5178


 78.8957, 0.3048,
0.3062

 61.2113, 0.3558,
0.5374

 80.9410, 0.3069,
0.3003

 60.2225, 0.3531,
0.5518

 82.6520, 0.3132,
0.3008

 59.3799, 0.3486,
0.5614

 82.8747, 0.3140,
0.3009

Harmonies

Analogous

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



68.8671, 0.3767, 0.4041



68.8671, 0.3369, 0.4095



68.8671, 0.2923, 0.3886

Triad

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



68.8671, 0.3369, 0.4095



68.8671, 0.2318, 0.2721



68.8671, 0.3720, 0.3082

Complementary

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



68.8671, 0.3369, 0.4095



40.3786, 0.2819, 0.2464

Split Complementary

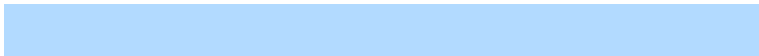
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8671, 0.3289, 0.2786



68.8671, 0.3369, 0.4095



68.8671, 0.2494, 0.2574

Square

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



68.8671, 0.3369, 0.4095



68.8671, 0.2336, 0.3042



68.8671, 0.2840, 0.2603



68.8671, 0.3988, 0.3439

Rectangle

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



68.8671, 0.3369, 0.4095



68.8671, 0.2660, 0.3626



68.8671, 0.2840, 0.2603



68.8671, 0.3588, 0.2974

Sweetspot

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



68.8701, 0.3369, 0.4095



96.8613, 0.3201, 0.3516



53.4174, 0.3709, 0.3607



20.6289, 0.3213, 0.3554



0.0000, 0.0000, 0.0000



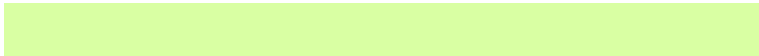
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8701, 0.3369, 0.4095



88.9564, 0.3414, 0.4273



64.8400, 0.3132, 0.4157



15.7337, 0.3204, 0.3526



33.9462, 0.3496, 0.5606



2.4050, 0.3601, 0.5522

Inverse Universe

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



40.3786, 0.2819, 0.2464



45.9007, 0.2740, 0.2275



45.0330, 0.3103, 0.2530



13.5174, 0.3045, 0.3052



4.5265, 0.1867, 0.0802



0.3652, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 68.8671, 0.3369, 0.4095 looks on a white background.

Color Contrast Check

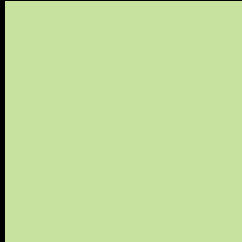
Large Text (above 18pt) WCAG AA × Fail

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 68.8671, 0.3369, 0.4095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

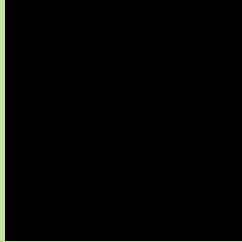
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8671, 0.3369, 0.4095

Background



This preview shows how black text looks on a background with the Yxy color 68.8671, 0.3369, 0.4095.



This preview shows how white text looks on a background with the Yxy color 68.8671, 0.3369, 0.4095.

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

68.8671, 0.3369, 0.4095

Protanopia

68.7685, 0.3694, 0.3970

Deuteranopia

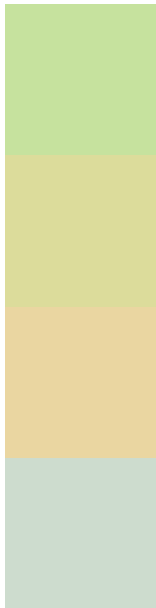
68.3051, 0.3836, 0.3759



Tritanopia

68.6076, 0.2960, 0.3091

Trichromacy



Original Color

68.8671, 0.3369, 0.4095

Protanomaly

68.7686, 0.3572, 0.4025

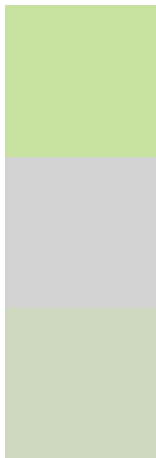
Deuteranomaly

68.1588, 0.3659, 0.3872

Tritanomaly

68.6218, 0.3113, 0.3450

Monochromacy



Original Color

68.8671, 0.3369, 0.4095

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.9951, 0.3224, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8671, 0.3369, 0.4095 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(198, 226, 158)` looks like.

```
.text, #text, p{  
    color:rgb(198, 226, 158)  
}
```

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(198, 226, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 226, 158) }
```

Border

The CSS property to change the border of an element to Yxy 68.8671, 0.3369, 0.4095 is called "border". The border property can be set on classes, ids or directly on the HTML element.

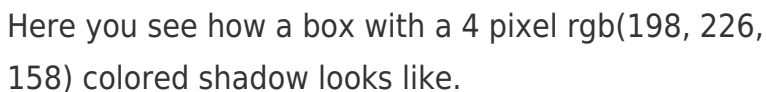
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 226, 158) }
```

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

```
.border{ border-color:rgb(198, 226, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 226, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 226, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 226, 158); box-shadow:4px 4px 4px 4px rgb(198, 226, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8671, 0.3369, 0.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 226, 158) }
```

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

```
.background{ background-color: rgb(198,  
226, 158) }
```

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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