

# Converting Colors

$Yxy(69.1565, 0.3347, 0.4098)$

Have a look what the booklet for  
Yxy(69.1565, 0.3347, 0.4098)  
contains.

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# Color

**Yxy(69.1771, 0.3346, 0.4097)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4E39F
RGB	196, 227, 159
RGB Percent	77%, 89%, 62%
CMY	0.2313, 0.1098, 0.3765
CMYK	0.14, 0.00, 0.30, 0.11
HSL	87°, 55%, 76%
HSV	87°, 30%, 89%
XYZ	56.4966, 69.1771, 43.1745
YIQ	209.9790, 3.3520, -27.7200

# Conversions

## Conversions Part 2

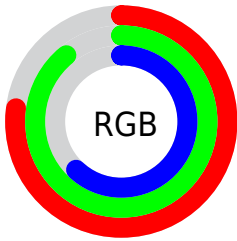
Format	Color
<b>RYB</b>	159, 227, 190
Decimal	12903327
CIELab	86.59, -21.80, 29.95
CIELCh	87, 37.045, 126.055
Yxy	69.1771, 0.3346, 0.4097
Android (android.graphics.Color)	4291093407 (0xFFC4E39F)
YUV	209.9790, -25.1326, -12.2596
Hunter-Lab	83.1728, -24.3030, 27.4439

# Details

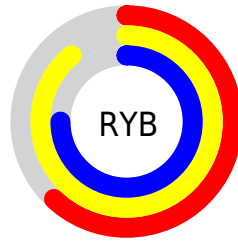
The Yxy color  $69.1771, 0.3346, 0.4097$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $41.2859, 0.2845, 0.2473$ , and the grayscale version is  $64.6049, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.2577, 0.3356, 0.3692$ , and  $36.2293, 0.3379, 0.4312$  is the 20% darker color. If you saturate the color by 10%, you get  $67.1236, 0.3409, 0.4392$ , and if you desaturate by 10%, it is  $71.4769, 0.3275, 0.3811$ .

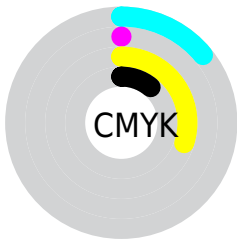
# Distribution



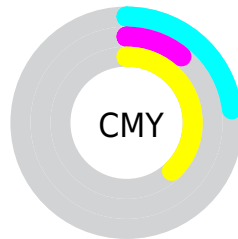
- Red (77%)
- Green (89%)
- Blue (62%)



- Red (62%)
- Yellow (89%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (30%)
- Black (11%)




- Cyan (23%)
- Magenta (11%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1771, 0.3346, 0.4097 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 69.1771, 0.3346, 0.4097 by changing the saturation by 10% instead.




 69.1771, 0.3346,  
0.4097


 69.1771, 0.3346,  
0.4097


457.6553, 0.3253,  
0.3707

 50.8560, 0.3364,  
0.4190


 118.0345, 0.3316,  
0.3959

 36.0940, 0.3386,  
0.4306


 149.3395, 0.3303,  
0.3906

 24.5068, 0.3409,  
0.4455


185.7413, 0.3293,  
0.3861

 15.7100, 0.3435,  
0.4654

227.6242, 0.3283,  
0.3822

 9.3192, 0.3459,  
0.4929

275.3727, 0.3274,  
0.3787

 4.9499, 0.3466,  
0.5329


329.3711, 0.3266,

 2.2179, 0.3643,


0.3757


0.6357

390.0039, 0.3259,  
0.3731


 0.7297, 0.1811,  
0.8189


 0.0000, 0.0000,  
0.0000


 69.1771, 0.3346,  
0.4097


 69.1771, 0.3346,  
0.4097


 67.1236, 0.3409,  
0.4392


 71.4769, 0.3275,  
0.3811


 65.2976, 0.3461,  
0.4684

 74.0232, 0.3201,  
0.3540

 63.6913, 0.3496,  
0.4962

 76.8275, 0.3127,  
0.3289

 62.2931, 0.3510,  
0.5209

 79.8982, 0.3054,  
0.3060

■ 61.0898, 0.3501,  
0.5414

■ 82.0639, 0.3091,  
0.3015

■ 60.0660, 0.3470,  
0.5565

■ 83.4178, 0.3140,  
0.3019

■ 59.1968, 0.3420,  
0.5666

■ 59.1932, 0.3420,  
0.5667

# Harmonies

## Analogous

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



69.1771, 0.3753, 0.4055



69.1771, 0.3346, 0.4097



69.1771, 0.2898, 0.3872

# Triad

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



69.1771, 0.3346, 0.4097



69.1771, 0.2317, 0.2704



69.1771, 0.3745, 0.3099

# Complementary

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



69.1771, 0.3346, 0.4097



41.2859, 0.2845, 0.2473

# Split Complementary

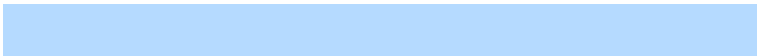
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.1771, 0.3316, 0.2796



69.1771, 0.3346, 0.4097



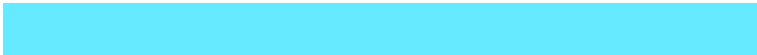
69.1771, 0.2505, 0.2566

# Square

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



69.1771, 0.3346, 0.4097



69.1771, 0.2324, 0.3018



69.1771, 0.2860, 0.2605



69.1771, 0.4002, 0.3459



# Rectangle

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



69.1771, 0.3346, 0.4097



69.1771, 0.2637, 0.3605



69.1771, 0.2860, 0.2605



69.1771, 0.3614, 0.2989

# Sweetspot

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



69.1801, 0.3346, 0.4097



96.6800, 0.3195, 0.3517



55.4876, 0.3694, 0.3643



20.5842, 0.3206, 0.3555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

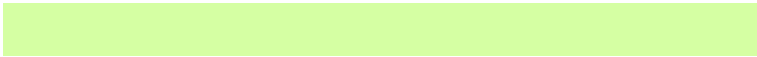


# Same Dimension

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



69.1801, 0.3346, 0.4097



88.3453, 0.3387, 0.4282



65.1643, 0.3109, 0.4159



16.4738, 0.3198, 0.3527



34.5921, 0.3430, 0.5658



2.6113, 0.3536, 0.5574



# Inverse Universe

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



41.2859, 0.2845, 0.2473



46.4668, 0.2771, 0.2284



46.1255, 0.3132, 0.2540



14.2071, 0.3051, 0.3052



4.9974, 0.1942, 0.0844

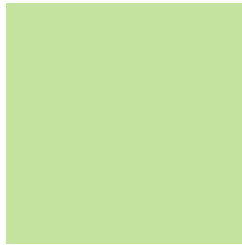


0.4239, 0.2105, 0.0933



# Previews

## White Background



This preview shows how the Yxy color 69.1771, 0.3346, 0.4097 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 69.1771, 0.3346, 0.4097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

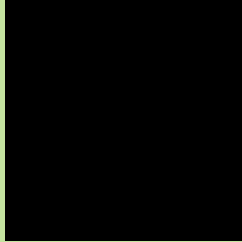
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.1771, 0.3346, 0.4097**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1771, 0.3346, 0.4097.



This preview shows how white text looks on a background with the Yxy color 69.1771, 0.3346, 0.4097.

# 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

69.1771, 0.3346, 0.4097

### Protanopia

68.7685, 0.3694, 0.3970

### Deuteranopia

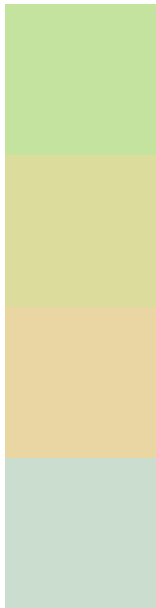
68.5300, 0.3837, 0.3747



## Tritanopia

68.8893, 0.2941, 0.3091

# Trichromacy



**Original Color**

69.1771, 0.3346, 0.4097

**Protanomaly**

68.8023, 0.3565, 0.4014

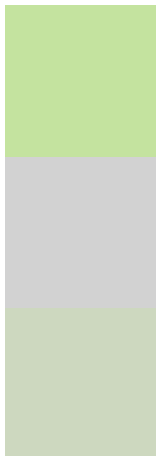
**Deuteranomaly**

68.1942, 0.3651, 0.3861

**Tritanomaly**

68.9144, 0.3091, 0.3450

# Monochromacy



**Original Color**

69.1771, 0.3346, 0.4097

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.8525, 0.3216, 0.3581

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1771, 0.3346, 0.4097 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(196, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 159)  
}
```

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(196, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1771, 0.3346, 0.4097 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(196, 227, 159) }
```

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

```
.border{ border-color:rgb(196, 227, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 227, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 159);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1771, 0.3346, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 159) }
```

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

```
.background{ background-color: rgb(196,  
227, 159) }
```

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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