

# Converting Colors

$Yxy(69.8248, 0.3403, 0.4076)$

Have a look what the booklet for  
Yxy(69.8248, 0.3403, 0.4076)  
contains.

|   |    |
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# Color

**Yxy(69.5924, 0.3400, 0.4073)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | CBE29F                     |
| RGB         | 203, 226, 159              |
| RGB Percent | 80%, 89%, 62%              |
| CMY         | 0.2037, 0.1138, 0.3764     |
| CMYK        | 0.10, 0.00, 0.30, 0.11     |
| HSL         | 81°, 54%, 75%              |
| HSV         | 81°, 30%, 89%              |
| XYZ         | 58.0933, 69.5924, 43.1770  |
| YIQ         | 211.4850, 7.7990, -25.7130 |

# Conversions

## Conversions Part 2

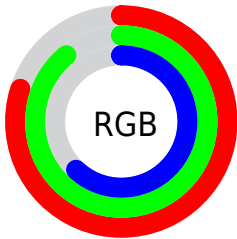
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">159, 226, 182</a>                   |
| Decimal                             | <a href="#">13361823</a>                        |
| CIELab                              | <a href="#">86.80, -18.76, 30.30</a>            |
| CIELCh                              | <a href="#">87, 35.639, 121.768</a>             |
| Yxy                                 | <a href="#">69.5924, 0.3400,<br/>0.4073</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4291551903<br/>(0xFFCBE29F)</a>     |
| YUV                                 | <a href="#">211.4850, -25.8751,<br/>-7.4413</a> |
| Hunter-Lab                          | <a href="#">83.4221, -21.6850,<br/>27.7085</a>  |

# Details

The Yxy color **69.5924, 0.3400, 0.4073** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.2316, 0.2787, 0.2469**, and the grayscale version is **65.6568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **36.4833, 0.3450, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **67.8209, 0.3483, 0.4354**, and if you desaturate by 10%, it is **71.5678, 0.3310, 0.3796**.

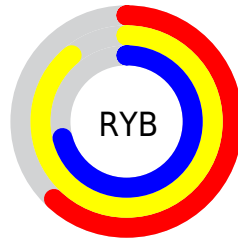
# Distribution



Red (80%)

Green (89%)

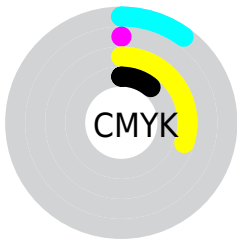
Blue (62%)



Red (62%)

Yellow (89%)

Blue (71%)

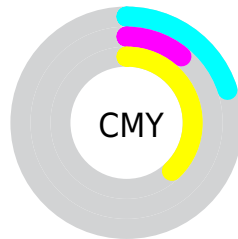


Cyan (10%)

Magenta (0%)

Yellow (30%)

Black (11%)



Cyan (20%)

Magenta (11%)


Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5924, 0.3400, 0.4073 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 69.5924, 0.3400, 0.4073 by changing the saturation by 10% instead.




 69.5924, 0.3400,  
0.4073


 69.5924, 0.3400,  
0.4073

459.1175, 0.3281,  
0.3697

 51.1943, 0.3425,  
0.4162


 118.6273, 0.3361,  
0.3940

 36.3633, 0.3453,  
0.4272

 150.0329, 0.3345,  
0.3889

 24.7149, 0.3487,  
0.4414


186.5431, 0.3331,  
0.3846

 15.8648, 0.3526,  
0.4602

228.5424, 0.3319,  
0.3808

 9.4285, 0.3568,  
0.4860

276.4151, 0.3308,  
0.3775

 5.0217, 0.3604,  
0.5231


330.5456, 0.3298,

 2.2600, 0.3827,


0.3746


0.6173


391.3183, 0.3289,  
0.3720


 0.7524, 0.2547,  
0.7453


 0.0000, 0.0000,  
0.0000


 69.5924, 0.3400,  
0.4073


 69.5924, 0.3400,  
0.4073


 67.8209, 0.3483,  
0.4354


 71.5678, 0.3310,  
0.3796

 66.2354, 0.3555,  
0.4630


 73.7458, 0.3217,  
0.3530

 64.8296, 0.3609,  
0.4888


 76.1371, 0.3124,  
0.3281

 63.5933, 0.3642,  
0.5115


 78.7487, 0.3034,  
0.3051

 62.5146, 0.3651,  
0.5299

 80.4427, 0.3051,  
0.3001

 61.5798, 0.3634,  
0.5435

 81.8400, 0.3103,  
0.3006

 60.7664, 0.3597,  
0.5524

 82.8686, 0.3140,  
0.3009

 60.7382, 0.3596,  
0.5527

# Harmonies

## Analogous

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



69.5924, 0.3775, 0.4002



69.5924, 0.3400, 0.4073



69.5924, 0.2968, 0.3892

# Triad

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



69.5924, 0.3400, 0.4073



69.5924, 0.2336, 0.2761



69.5924, 0.3669, 0.3061

# Complementary

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



69.5924, 0.3400, 0.4073



40.2316, 0.2787, 0.2469

# Split Complementary

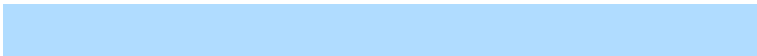
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.5924, 0.3245, 0.2780



69.5924, 0.3400, 0.4073



69.5924, 0.2491, 0.2602

# Square

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



69.5924, 0.3400, 0.4073



69.5924, 0.2371, 0.3085



69.5924, 0.2814, 0.2615



69.5924, 0.3946, 0.3404



# Rectangle

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



69.5924, 0.3400, 0.4073



69.5924, 0.2706, 0.3652



69.5924, 0.2814, 0.2615



69.5924, 0.3537, 0.2957

# Sweetspot

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



69.5955, 0.3400, 0.4073



97.1483, 0.3211, 0.3515



51.8574, 0.3713, 0.3551



20.6997, 0.3225, 0.3553



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.



69.5955, 0.3400, 0.4073



89.9474, 0.3456, 0.4259



65.4580, 0.3162, 0.4134



15.7823, 0.3215, 0.3525



34.7219, 0.3605, 0.5520



2.4556, 0.3697, 0.5447



# Inverse Universe

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



40.2316, 0.2787, 0.2469



45.0407, 0.2692, 0.2262



44.7128, 0.3065, 0.2533



13.4704, 0.3034, 0.3051



4.1018, 0.1761, 0.0744

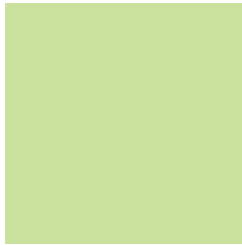


0.3326, 0.1932, 0.0838



# Previews

## White Background



This preview shows how the Yxy color 69.5924, 0.3400, 0.4073 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 69.5924, 0.3400, 0.4073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

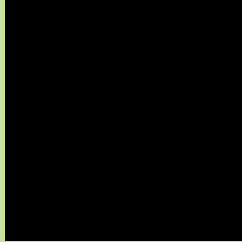
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.5924, 0.3400, 0.4073**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5924, 0.3400, 0.4073.



This preview shows how white text looks on a background with the Yxy color 69.5924, 0.3400, 0.4073.

# 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

69.5924, 0.3400, 0.4073

### Protanopia

69.4847, 0.3692, 0.3967

### Deuteranopia

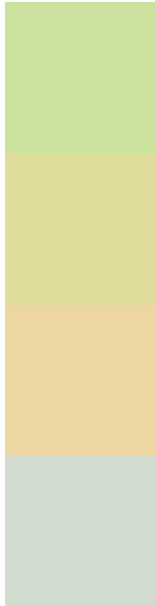
69.0521, 0.3825, 0.3747



## Tritanopia

69.1984, 0.2988, 0.3093

# Trichromacy



**Original Color**

69.5924, 0.3400, 0.4073

**Protanomaly**

69.2747, 0.3588, 0.4008

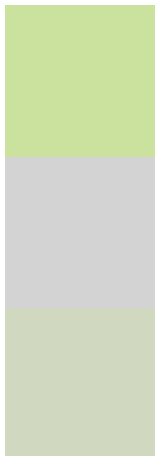
**Deuteranomaly**

69.0424, 0.3664, 0.3868

**Tritanomaly**

69.2467, 0.3135, 0.3437

# Monochromacy



**Original Color**

69.5924, 0.3400, 0.4073

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

66.3274, 0.3232, 0.3568

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5924, 0.3400, 0.4073 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(203, 226, 159)` looks like.

```
.text, #text, p{  
    color:rgb(203, 226, 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(203, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 226, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5924, 0.3400, 0.4073 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(203, 226, 159) }
```

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

```
.border{ border-color:rgb(203, 226, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 226, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 226, 159); box-shadow:4px 4px 4px 4px rgb(203, 226, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5924, 0.3400, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 226, 159) }
```

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

```
.background{ background-color: rgb(203,  
226, 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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