

# Converting Colors

$Yxy(69.3965, 0.3139, 0.3627)$

Have a look what the booklet for  
Yxy(69.3965, 0.3139, 0.3627)  
contains.

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# Color

**Yxy(69.3936, 0.3139, 0.3627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E0C3
RGB	199, 224, 195
RGB Percent	78%, 88%, 76%
CMY	0.2197, 0.1215, 0.2352
CMYK	0.11, 0.00, 0.13, 0.12
HSL	112°, 32%, 82%
HSV	112°, 13%, 88%
XYZ	60.0569, 69.3936, 61.8745
YIQ	213.2190, -5.5910, -14.3190

# Conversions

## Conversions Part 2

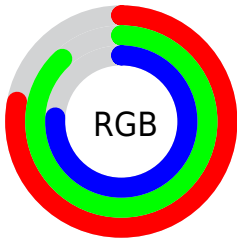
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 224, 220
Decimal	13099203
CIELab	86.70, -13.61, 11.41
CIElCh	87, 17.761, 140.036
Yxy	69.3936, 0.3139, 0.3627
Android (android.graphics.Color)	4291289283 (0xFFC7E0C3)
YUV	213.2190, -8.9820, -12.4701
Hunter-Lab	83.3028, -17.0909, 14.2734

# Details

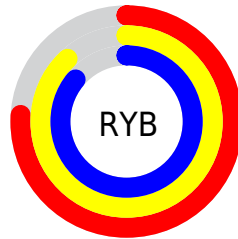
The Yxy color **69.3936, 0.3139, 0.3627** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **59.6502, 0.3111, 0.2969**, and the grayscale version is **66.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **36.3188, 0.3143, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **65.9777, 0.3146, 0.3923**, and if you desaturate by 10%, it is **73.3040, 0.3130, 0.3362**.

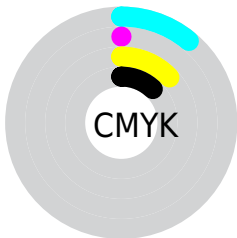
# Distribution



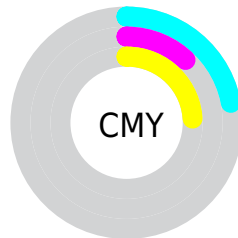
- Red (78%)
- Green (88%)
- Blue (76%)



- Red (76%)
- Yellow (88%)
- Blue (86%)



- Cyan (11%)
- Magenta (0%)
- Yellow (13%)
- Black (12%)




- Cyan (22%)
- Magenta (12%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3936, 0.3139, 0.3627 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 69.3936, 0.3139, 0.3627 by changing the saturation by 10% instead.



 69.3936, 0.3139,  
0.3627

 69.3936, 0.3139,  
0.3627


458.4179, 0.3135,  
0.3466

 51.0323, 0.3139,  
0.3665

118.3436, 0.3138,  
0.3570

 36.2343, 0.3140,  
0.3713


149.7011, 0.3138,  
0.3548

 24.6152, 0.3140,  
0.3774

186.1594, 0.3137,  
0.3530

 15.7906, 0.3139,  
0.3856

228.1030, 0.3137,  
0.3514

 9.3761, 0.3136,  
0.3972

275.9163, 0.3136,  
0.3500

 4.9873, 0.3130,  
0.4146


329.9836, 0.3136,

 2.2398, 0.3110,


0.3487


0.4438

390.6894, 0.3136,  
0.3476


 0.7416, 0.3314,  
0.6598


 0.0000, 0.0000,  
0.0000


 69.3936, 0.3139,  
0.3627


 69.3936, 0.3139,  
0.3627


 65.9777, 0.3146,  
0.3923


 73.3040, 0.3130,  
0.3362

 63.0280, 0.3149,  
0.4247

 77.7181, 0.3120,  
0.3128

 60.5268, 0.3148,  
0.4589

 81.7961, 0.3141,  
0.2990

 58.4521, 0.3140,  
0.4935

■ 56.7796, 0.3126,  
0.5263

■ 55.4829, 0.3106,  
0.5550

■ 54.5321, 0.3080,  
0.5772

■ 53.8927, 0.3051,  
0.5915

■ 53.6001, 0.3033,  
0.5974

# Harmonies

## Analogous

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



69.3936, 0.3351, 0.3675



69.3936, 0.3139, 0.3627



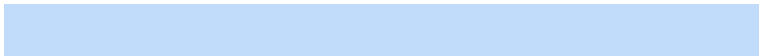
69.3936, 0.2929, 0.3478

# Triad

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



69.3936, 0.3139, 0.3627



69.3936, 0.2758, 0.2963



69.3936, 0.3491, 0.3287

# Complementary

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



69.3936, 0.3139, 0.3627



59.6502, 0.3111, 0.2969

# 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.



69.3936, 0.3322, 0.3111



69.3936, 0.3139, 0.3627



69.3936, 0.2898, 0.2927

# Square

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



69.3936, 0.3139, 0.3627



69.3936, 0.2714, 0.3088



69.3936, 0.3103, 0.2982



69.3936, 0.3559, 0.3469



# Rectangle

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



69.3936, 0.3139, 0.3627



69.3936, 0.2818, 0.3345



69.3936, 0.3103, 0.2982



69.3936, 0.3444, 0.3225

# Sweetspot

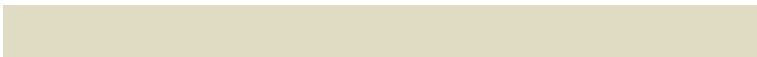
The Sweet Spot groups the original color and five complimentary colors.



69.3966, 0.3139, 0.3627



97.7276, 0.3131, 0.3389



70.7992, 0.3326, 0.3563



20.8289, 0.3132, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

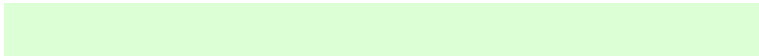


# Same Dimension

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



69.3966, 0.3139, 0.3627



91.5634, 0.3141, 0.3718



69.3381, 0.3047, 0.3509



15.4263, 0.3136, 0.3531



31.2250, 0.3038, 0.5970



2.1935, 0.3118, 0.5906



# Inverse Universe

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



59.6502, 0.3111, 0.2969



75.6352, 0.3107, 0.2888



59.7399, 0.3217, 0.3081



13.8360, 0.3116, 0.3057



9.8055, 0.2868, 0.1354

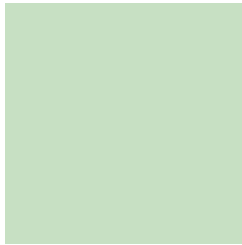


0.7062, 0.2924, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 69.3936, 0.3139, 0.3627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

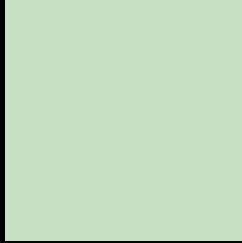
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3936, 0.3139, 0.3627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

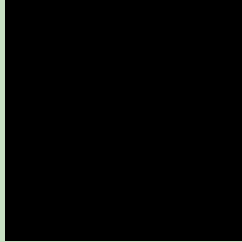
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

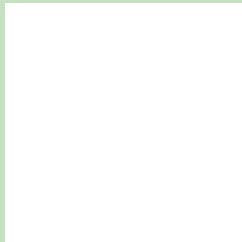
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.3936, 0.3139, 0.3627**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3936, 0.3139, 0.3627.

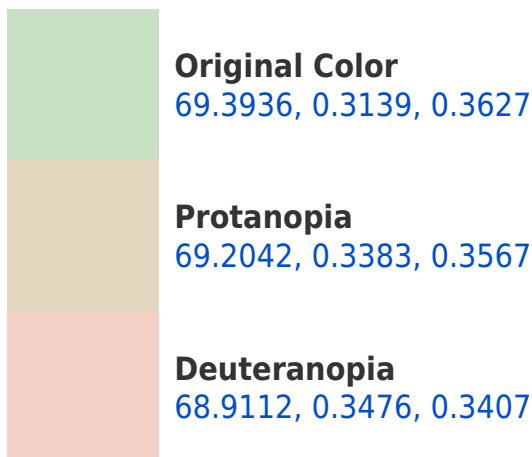


This preview shows how white text looks on a background with the Yxy color 69.3936, 0.3139, 0.3627.

# 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

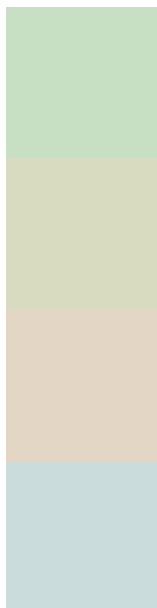




## Tritanopia

69.1781, 0.2921, 0.3091

# Trichromacy



## Original Color

69.3936, 0.3139, 0.3627

## Protanomaly

69.2205, 0.3296, 0.3595

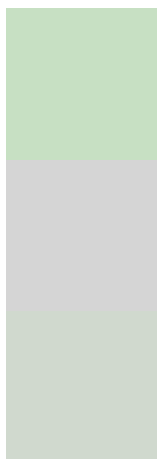
## Deuteranomaly

68.6183, 0.3351, 0.3477

## Tritanomaly

69.1034, 0.3002, 0.3278

# Monochromacy



## Original Color

69.3936, 0.3139, 0.3627

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.4918, 0.3136, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3936, 0.3139, 0.3627 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(199, 224, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 224, 195)  
}
```

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(199, 224, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 224, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3936, 0.3139, 0.3627 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(199, 224, 195) }
```

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

```
.border{ border-color:rgb(199, 224, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 224, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 224, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 224, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 224,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3936, 0.3139, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 224, 195) }
```

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

```
.background{ background-color: rgb(199,  
224, 195) }
```

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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