

# Converting Colors

$Yxy(69.5996, 0.3437, 0.3820)$

Have a look what the booklet for  
Yxy(69.5996, 0.3437, 0.3820)  
contains.

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# Color

**Yxy(69.8290, 0.3431, 0.3821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDDAE
RGB	219, 221, 174
RGB Percent	86%, 87%, 68%
CMY	0.1413, 0.1333, 0.3176
CMYK	0.01, 0.00, 0.21, 0.13
HSL	63°, 41%, 77%
HSV	63°, 21%, 87%
XYZ	62.7017, 69.8290, 50.2199
YIQ	215.0440, 13.8950, -15.0410

# Conversions

## Conversions Part 2

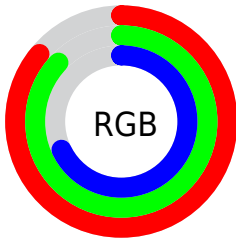
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 221, 176
Decimal	14409134
CIELab	86.91, -8.33, 22.91
CIELCh	87, 24.377, 109.978
Yxy	69.8290, 0.3431, 0.3821
Android (android.graphics.Color)	4292599214 (0xFFDBDDAE)
YUV	215.0440, -20.2347, 3.4694
Hunter-Lab	83.5637, -12.2998, 22.8627

# Details

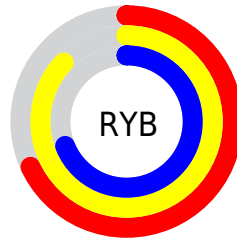
The Yxy color **69.8290, 0.3431, 0.3821** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.7326, 0.2787, 0.2703**, and the grayscale version is **68.1175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **36.5454, 0.3507, 0.3956** is the 20% darker color. If you saturate the color by 10%, you get **68.8905, 0.3574, 0.4074**, and if you desaturate by 10%, it is **70.9165, 0.3287, 0.3568**.

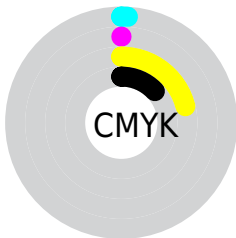
# Distribution



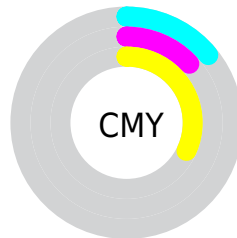
- Red (86%)
- Green (87%)
- Blue (68%)



- Red (68%)
- Yellow (87%)
- Blue (69%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8290, 0.3431, 0.3821 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 69.8290, 0.3431, 0.3821 by changing the saturation by 10% instead.



■ 69.8290, 0.3431,  
0.3821

■ 69.8290, 0.3431,  
0.3821

459.9494, 0.3292,  
0.3570

■ 51.3871, 0.3462,  
0.3879

■ 118.9649, 0.3383,  
0.3733

■ 36.5168, 0.3500,  
0.3952

150.4277, 0.3365,  
0.3699

■ 24.8336, 0.3547,  
0.4045

186.9996, 0.3348,  
0.3670

■ 15.9531, 0.3607,  
0.4167

229.0649, 0.3334,  
0.3645

■ 9.4910, 0.3684,  
0.4334

277.0082, 0.3322,  
0.3622

■ 5.0628, 0.3787,  
0.4575

331.2138, 0.3311,

■ 2.2842, 0.3995,

0.3603

0.5040

392.0660, 0.3301,  
0.3585

0.7653, 0.4065,  
0.5935

0.0000, 0.0000,  
0.0000

69.8290, 0.3431,  
0.3821

69.8290, 0.3431,  
0.3821

68.8905, 0.3574,  
0.4074

70.9165, 0.3287,  
0.3568

68.0846, 0.3710,  
0.4318


72.1500, 0.3145,  
0.3321

67.4070, 0.3833,  
0.4542


73.5387, 0.3009,  
0.3085


66.8494, 0.3938,  
0.4737


74.6017, 0.2925,  
0.2937

 66.4026, 0.4020,  
0.4895


 74.7554, 0.2931,  
0.2938


 66.0560, 0.4077,  
0.5009


 74.9099, 0.2938,  
0.2939

 65.7971, 0.4107,  
0.5080

 75.0653, 0.2944,  
0.2939

 65.6239, 0.4116,  
0.5113

 75.2216, 0.2950,  
0.2940

 75.3787, 0.2957,  
0.2941

# Harmonies

## Analogous

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



69.8290, 0.3647, 0.3729



69.8290, 0.3431, 0.3821



69.8290, 0.3140, 0.3759

# Triad

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



69.8290, 0.3431, 0.3821



69.8290, 0.2568, 0.3009



69.8290, 0.3392, 0.3047

# Complementary

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



69.8290, 0.3431, 0.3821



44.7326, 0.2787, 0.2703

# Split Complementary

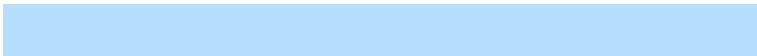
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8290, 0.3091, 0.2874



69.8290, 0.3431, 0.3821



69.8290, 0.2626, 0.2844

# Square

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



69.8290, 0.3431, 0.3821



69.8290, 0.2649, 0.3268



69.8290, 0.2813, 0.2799



69.8290, 0.3627, 0.3281



# Rectangle

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



69.8290, 0.3431, 0.3821



69.8290, 0.2945, 0.3632



69.8290, 0.2813, 0.2799



69.8290, 0.3295, 0.2980

# Sweetspot

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



69.8321, 0.3431, 0.3821



98.9269, 0.3212, 0.3437



49.3143, 0.3551, 0.3310



21.1504, 0.3221, 0.3454



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.



69.8321, 0.3431, 0.3821



95.8959, 0.3502, 0.3947



66.5060, 0.3258, 0.3851



15.2334, 0.3260, 0.3521



38.1289, 0.4118, 0.5113



2.4793, 0.4131, 0.5102



# Inverse Universe

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



44.7326, 0.2787, 0.2703



54.6401, 0.2695, 0.2547



47.6484, 0.2970, 0.2734



12.6442, 0.2988, 0.3049



3.0815, 0.1514, 0.0608



0.2094, 0.1558, 0.0632



# Previews

## White Background



This preview shows how the Yxy color 69.8290, 0.3431, 0.3821 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 69.8290, 0.3431, 0.3821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

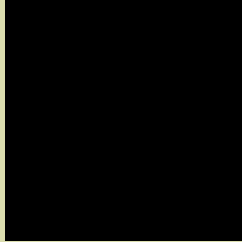
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

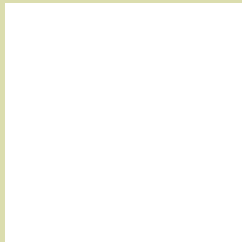
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8290, 0.3431, 0.3821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8290, 0.3431, 0.3821.



This preview shows how white text looks on a background with the Yxy color 69.8290, 0.3431, 0.3821.

# 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

69.8290, 0.3431, 0.3821

### Protanopia

69.5932, 0.3547, 0.3786

### Deuteranopia

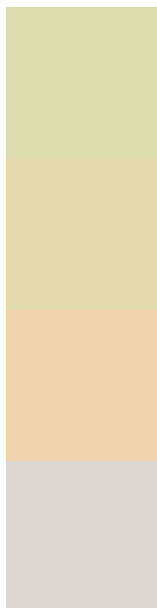
69.6182, 0.3715, 0.3635



## Tritanopia

69.4704, 0.3107, 0.3108

# Trichromacy



## Original Color

69.8290, 0.3431, 0.3821

## Protanomaly

69.4908, 0.3507, 0.3790

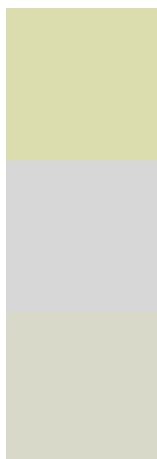
## Deuteranomaly

69.3844, 0.3615, 0.3699

## Tritanomaly

69.4529, 0.3219, 0.3356

# Monochromacy



## Original Color

69.8290, 0.3431, 0.3821

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.3948, 0.3235, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8290, 0.3431, 0.3821 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(219, 221, 174)` looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 174)  
}
```

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(219, 221, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 221, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8290, 0.3431, 0.3821 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(219, 221, 174) }
```

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

```
.border{ border-color:rgb(219, 221, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 221, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 221, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 221, 174);  
box-shadow:4px 4px 4px 4px rgb(219, 221,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8290, 0.3431, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 221, 174) }
```

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

```
.background{ background-color: rgb(219,  
221, 174) }
```

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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