

# Converting Colors

$Yxy(72.7135, 0.3317, 0.3843)$

Have a look what the booklet for  
Yxy(72.7135, 0.3317, 0.3843)  
contains.

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# Color

**Yxy(72.6310, 0.3319, 0.3836)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3E4B4
RGB	211, 228, 180
RGB Percent	83%, 89%, 71%
CMY	0.1726, 0.1058, 0.2943
CMYK	0.07, 0.00, 0.21, 0.11
HSL	81°, 47%, 80%
HSV	81°, 21%, 89%
XYZ	62.8421, 72.6310, 53.8674
YIQ	217.4450, 5.2760, -18.5320

# Conversions

## Conversions Part 2

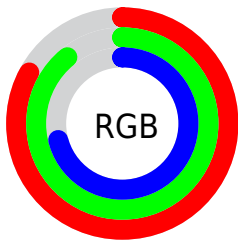
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 228, 197
Decimal	13886644
CIELab	88.27, -13.86, 21.60
CIELCh	88, 25.663, 122.688
Yxy	72.6310, 0.3319, 0.3836
Android (android.graphics.Color)	4292076724 (0xFFD3E4B4)
YUV	217.4450, -18.4604, -5.6523
Hunter-Lab	85.2238, -17.5199, 22.1813

# Details

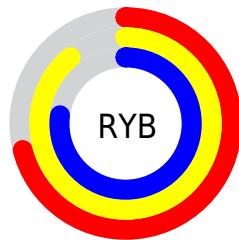
The Yxy color **72.6310, 0.3319, 0.3836** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.0973, 0.2904, 0.2727**, and the grayscale version is **69.8356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **38.4874, 0.3357, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **70.6177, 0.3407, 0.4115**, and if you desaturate by 10%, it is **74.8634, 0.3228, 0.3568**.

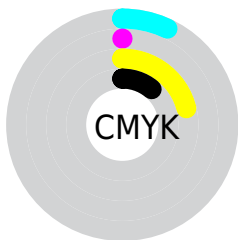
# Distribution



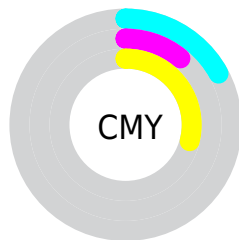
- Red (83%)
- Green (89%)
- Blue (71%)



- Red (71%)
- Yellow (89%)
- Blue (77%)



- Cyan (7%)
- Magenta (0%)
- Yellow (21%)
- Black (11%)




- Cyan (17%)
- Magenta (11%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6310, 0.3319, 0.3836 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 72.6310, 0.3319, 0.3836 by changing the saturation by 10% instead.





 72.6310, 0.3319,  
0.3836

 72.6310, 0.3319,  
0.3836

469.7349, 0.3234,  
0.3577

 53.6743, 0.3337,  
0.3897

 122.9532, 0.3290,  
0.3745

 38.3413, 0.3359,  
0.3972


155.0875, 0.3279,  
0.3710

 26.2477, 0.3386,  
0.4069


192.3832, 0.3269,  
0.3680

 17.0090, 0.3419,  
0.4196

235.2245, 0.3260,  
0.3654

 10.2409, 0.3460,  
0.4373

283.9960, 0.3253,  
0.3631

 5.5590, 0.3510,  
0.4631

339.0819, 0.3246,

 2.5788, 0.3580,

0.3611

400.8668, 0.3239,  
0.3593

0.5061

0.9160, 0.3674,  
0.6326

0.0000, 0.0000,  
0.0000

72.6310, 0.3319,  
0.3836

72.6310, 0.3319,  
0.3836

70.6177, 0.3407,  
0.4115

74.8634, 0.3228,  
0.3568

68.8055, 0.3486,  
0.4398

77.3133, 0.3137,  
0.3316

67.1888, 0.3554,  
0.4674

79.9910, 0.3048,  
0.3083

65.7577, 0.3603,  
0.4930

81.8180, 0.3061,  
0.3022

■ 64.5014, 0.3631,  
0.5154

■ 83.2884, 0.3115,  
0.3027

■ 63.4075, 0.3634,  
0.5334

■ 83.9717, 0.3139,  
0.3029

■ 62.4615, 0.3612,  
0.5464

■ 61.7206, 0.3576,  
0.5542

# Harmonies

## Analogous

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



72.6310, 0.3586, 0.3803



72.6310, 0.3319, 0.3836



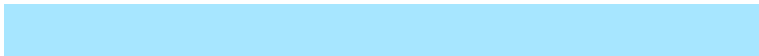
72.6310, 0.3009, 0.3701

# Triad

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



72.6310, 0.3319, 0.3836



72.6310, 0.2555, 0.2911



72.6310, 0.3519, 0.3135

# Complementary

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



72.6310, 0.3319, 0.3836



50.0973, 0.2904, 0.2727

# 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.



72.6310, 0.3224, 0.2924



72.6310, 0.3319, 0.3836



72.6310, 0.2675, 0.2792

# Square

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



72.6310, 0.3319, 0.3836



72.6310, 0.2578, 0.3144



72.6310, 0.2915, 0.2800



72.6310, 0.3709, 0.3390



# Rectangle

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



72.6310, 0.3319, 0.3836



72.6310, 0.2821, 0.3535



72.6310, 0.2915, 0.2800



72.6310, 0.3428, 0.3058

# Sweetspot

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



72.6342, 0.3319, 0.3836



98.0405, 0.3182, 0.3439



59.6221, 0.3512, 0.3481



20.9404, 0.3188, 0.3455



0.0000, 0.0000, 0.0000

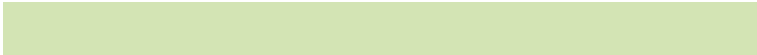


21.4041, 0.3127, 0.3290

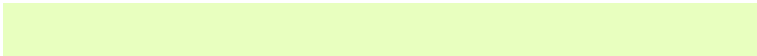


# Same Dimension

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



72.6342, 0.3319, 0.3836



92.5202, 0.3355, 0.3949



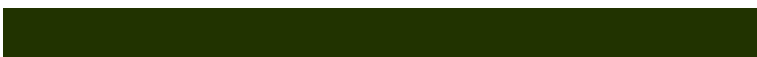
69.3720, 0.3149, 0.3866



16.5486, 0.3213, 0.3526



35.7054, 0.3586, 0.5535



2.6900, 0.3675, 0.5464



# Inverse Universe

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



50.0973, 0.2904, 0.2727



58.8600, 0.2852, 0.2606



53.5715, 0.3093, 0.2758



14.1341, 0.3035, 0.3051



4.2978, 0.1777, 0.0752

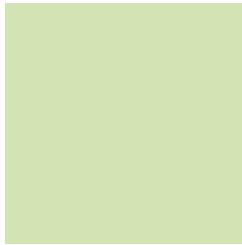


0.3682, 0.1939, 0.0842



# Previews

## White Background



This preview shows how the Yxy color 72.6310, 0.3319, 0.3836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

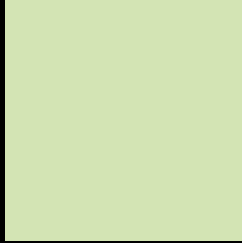
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6310, 0.3319, 0.3836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

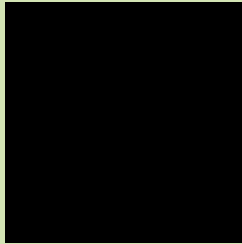
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

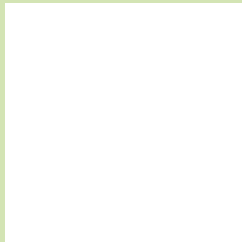
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6310, 0.3319, 0.3836**

## Background



This preview shows how black text looks on a background with the Yxy color 72.6310, 0.3319, 0.3836.

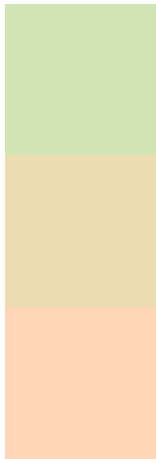


This preview shows how white text looks on a background with the Yxy color 72.6310, 0.3319, 0.3836.

# 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

72.6310, 0.3319, 0.3836

### Protanopia

72.5494, 0.3533, 0.3767

### Deuteranopia

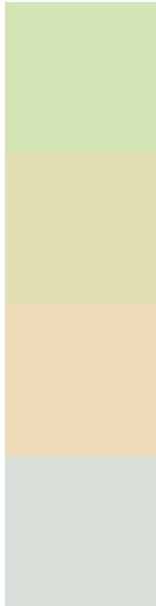
72.3092, 0.3658, 0.3590



## Tritanopia

72.4195, 0.3004, 0.3097

# Trichromacy



**Original Color**

72.6310, 0.3319, 0.3836

**Protanomaly**

72.6944, 0.3451, 0.3798

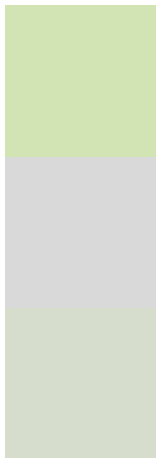
**Deuteranomaly**

71.9124, 0.3529, 0.3666

**Tritanomaly**

72.3840, 0.3117, 0.3356

# Monochromacy



**Original Color**

72.6310, 0.3319, 0.3836

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.5196, 0.3197, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6310, 0.3319, 0.3836 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(211, 228, 180)` looks like.

```
.text, #text, p{  
    color:rgb(211, 228, 180)  
}
```

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(211, 228, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 228, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6310, 0.3319, 0.3836 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(211, 228, 180) }
```

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

```
.border{ border-color:rgb(211, 228, 180) }
```

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

Here you see how a box with a 4 pixel rgb(211, 228, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 228, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 228, 180);  
box-shadow:4px 4px 4px 4px rgb(211, 228,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6310, 0.3319, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 228, 180) }
```

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

```
.background{ background-color: rgb(211,  
228, 180) }
```

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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