

# Converting Colors

$Yxy(72.3849, 0.3317, 0.3737)$

Have a look what the booklet for  
Yxy(72.3849, 0.3317, 0.3737)  
contains.

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# Color

**Yxy(72.5368, 0.3319, 0.3739)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | D8E2BA                     |
| RGB           | 216, 226, 186              |
| RGB Percent   | 85%, 89%, 73%              |
| CMY           | 0.1528, 0.1138, 0.2705     |
| CMYK          | 0.04, 0.00, 0.18, 0.11     |
| HSL           | 75°, 41%, 81%              |
| HSV           | 75°, 18%, 89%              |
| XYZ           | 64.3888, 72.5368, 57.0750  |
| YIQ           | 218.4500, 6.8800, -14.5600 |

# Conversions

## Conversions Part 2

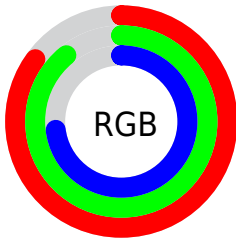
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 186, 226, 196                  |
| Decimal                             | 14213818                       |
| CIELab                              | 88.23, -10.12, 18.44           |
| CIELCh                              | 88, 21.036, 118.758            |
| Yxy                                 | 72.5368, 0.3319,<br>0.3739     |
| Android<br>(android.graphics.Color) | 4292403898<br>(0xFFD8E2BA)     |
| YUV                                 | 218.4500, -15.9979,<br>-2.1487 |
| Hunter-Lab                          | 85.1685, -14.0961,<br>19.8853  |

# Details

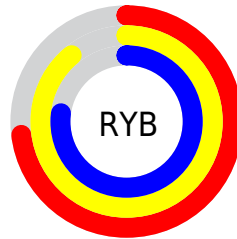
The Yxy color **72.5368, 0.3319, 0.3739** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.3520, 0.2912, 0.2821**, and the grayscale version is **70.5537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **38.3963, 0.3359, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **70.8106, 0.3427, 0.4008**, and if you desaturate by 10%, it is **74.4508, 0.3210, 0.3480**.

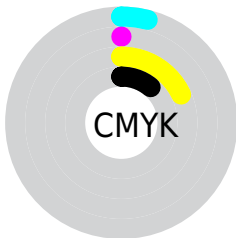
# Distribution



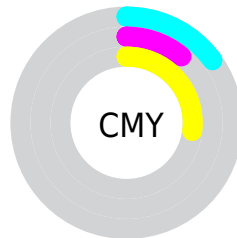
- Red (85%)
- Green (89%)
- Blue (73%)



- Red (73%)
- Yellow (89%)
- Blue (77%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5368, 0.3319, 0.3739 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 72.5368, 0.3319, 0.3739 by changing the saturation by 10% instead.



72.5368, 0.3319,  
0.3739

72.5368, 0.3319,  
0.3739

469.4079, 0.3232,  
0.3527

53.5973, 0.3338,  
0.3788

122.8194, 0.3289,  
0.3665

38.2798, 0.3361,  
0.3850

154.9313, 0.3278,  
0.3636

26.1999, 0.3390,  
0.3928

192.2028, 0.3268,  
0.3612

16.9733, 0.3427,  
0.4032

235.0183, 0.3259,  
0.3590

10.2154, 0.3474,  
0.4174

283.7621, 0.3251,  
0.3572

5.5420, 0.3537,  
0.4383

338.8187, 0.3244,

2.5687, 0.3620,

0.3555

0.4714

400.5725, 0.3238,  
0.3540

0.9109, 0.4044,  
0.5956

0.0000, 0.0000,  
0.0000

72.5368, 0.3319,  
0.3739

72.5368, 0.3319,  
0.3739

70.8106, 0.3427,  
0.4008

74.4508, 0.3210,  
0.3480

69.2551, 0.3528,  
0.4279


76.5499, 0.3103,  
0.3235


67.8657, 0.3619,  
0.4543


78.8439, 0.2999,  
0.3007

66.6335, 0.3694,  
0.4788


79.8814, 0.3030,  
0.2999

 65.5490, 0.3748,  
0.5002


 80.8738, 0.3067,  
0.3003


 64.6011, 0.3777,  
0.5177

 81.8970, 0.3105,  
0.3006

 63.7773, 0.3780,  
0.5304

 82.8687, 0.3140,  
0.3009

 63.0601, 0.3760,  
0.5386

 62.9030, 0.3754,  
0.5402

# Harmonies

## Analogous

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



72.5368, 0.3527, 0.3700



72.5368, 0.3319, 0.3739



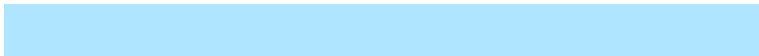
72.5368, 0.3065, 0.3645

# Triad

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



72.5368, 0.3319, 0.3739



72.5368, 0.2649, 0.3001



72.5368, 0.3421, 0.3137

# Complementary

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



72.5368, 0.3319, 0.3739



52.3520, 0.2912, 0.2821

# Split Complementary

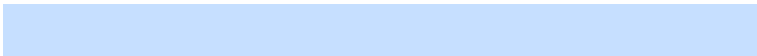
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.5368, 0.3174, 0.2969



72.5368, 0.3319, 0.3739



72.5368, 0.2735, 0.2886

# Square

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



72.5368, 0.3319, 0.3739



72.5368, 0.2685, 0.3204



72.5368, 0.2924, 0.2877



72.5368, 0.3590, 0.3347



# Rectangle

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



72.5368, 0.3319, 0.3739



72.5368, 0.2905, 0.3519



72.5368, 0.2924, 0.2877



72.5368, 0.3344, 0.3074

# Sweetspot

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



72.5400, 0.3319, 0.3739



98.6086, 0.3181, 0.3413



58.9016, 0.3450, 0.3397



21.0655, 0.3189, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

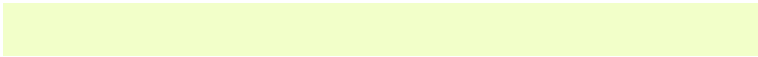


# Same Dimension

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



72.5400, 0.3319, 0.3739



94.5762, 0.3357, 0.3831



69.7626, 0.3179, 0.3759



15.8487, 0.3229, 0.3524



35.9474, 0.3761, 0.5396



2.5329, 0.3830, 0.5341



# Inverse Universe

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



52.3520, 0.2912, 0.2821



63.6180, 0.2864, 0.2719



55.1170, 0.3063, 0.2841



13.4073, 0.3019, 0.3050



3.6640, 0.1647, 0.0681

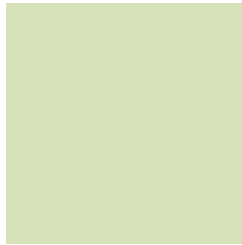


0.2958, 0.1803, 0.0767



# Previews

## White Background



This preview shows how the Yxy color 72.5368, 0.3319, 0.3739 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

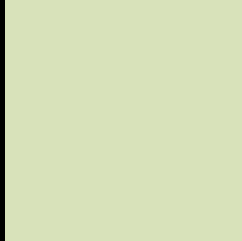
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.5368, 0.3319, 0.3739 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

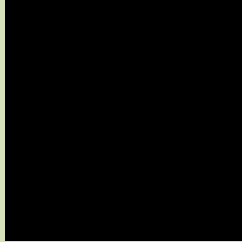
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

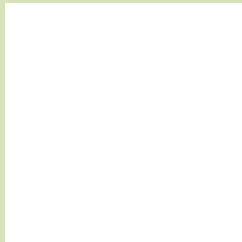
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.5368, 0.3319, 0.3739**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5368, 0.3319, 0.3739.

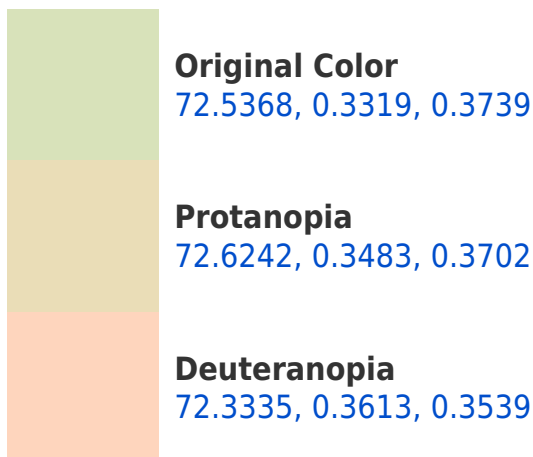


This preview shows how white text looks on a background with the Yxy color 72.5368, 0.3319, 0.3739.

# 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

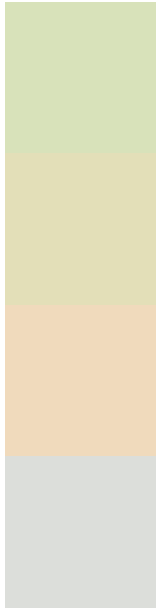




## Tritanopia

72.4071, 0.3044, 0.3109

# Trichromacy



**Original Color**

72.5368, 0.3319, 0.3739

**Protanomaly**

72.5669, 0.3419, 0.3719

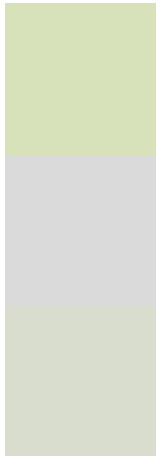
**Deuteranomaly**

72.2989, 0.3500, 0.3611

**Tritanomaly**

72.5202, 0.3139, 0.3334

# Monochromacy



**Original Color**

72.5368, 0.3319, 0.3739

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.9208, 0.3198, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5368, 0.3319, 0.3739 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(216, 226, 186)` looks like.

```
.text, #text, p{  
    color:rgb(216, 226, 186)  
}
```

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(216, 226, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 226, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5368, 0.3319, 0.3739 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(216, 226, 186) }
```

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

```
.border{ border-color:rgb(216, 226, 186) }
```

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

Here you see how a box with a 4 pixel rgb(216, 226, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 226, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 226, 186);  
box-shadow:4px 4px 4px 4px rgb(216, 226,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5368, 0.3319, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 226, 186) }
```

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

```
.background{ background-color: rgb(216,  
226, 186) }
```

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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