

# Converting Colors

$Yxy(72.1628, 0.3397, 0.3975)$

Have a look what the booklet for  
Yxy(72.1628, 0.3397, 0.3975)  
contains.

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# Color

**Yxy(72.1628, 0.3397, 0.3975)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3E4A8
RGB	211, 228, 168
RGB Percent	83%, 89%, 66%
CMY	0.1726, 0.1058, 0.3413
CMYK	0.07, 0.00, 0.26, 0.11
HSL	77°, 53%, 78%
HSV	77°, 26%, 89%
XYZ	61.6697, 72.1628, 47.7091
YIQ	216.0770, 9.1280, -22.2640

# Conversions

## Conversions Part 2

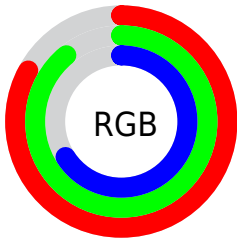
Format	Color
<a href="#">RYB</a>	<a href="#">168, 228, 185</a>
Decimal	<a href="#">13886632</a>
CIELab	<a href="#">88.05, -15.62, 27.48</a>
CIElCh	<a href="#">88, 31.612, 119.607</a>
Yxy	<a href="#">72.1628, 0.3397, 0.3975</a>
Android (android.graphics.Color)	<a href="#">4292076712</a> ( <a href="#">0xFFD3E4A8</a> )
YUV	<a href="#">216.0770, -23.7020, -4.4525</a>
Hunter-Lab	<a href="#">84.9487, -19.0756, 26.1655</a>

# Details

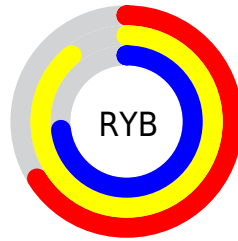
The Yxy color **72.1628, 0.3397, 0.3975** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.9107, 0.2803, 0.2564**, and the grayscale version is **68.8831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **38.2160, 0.3448, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **70.4537, 0.3494, 0.4250**, and if you desaturate by 10%, it is **74.0657, 0.3295, 0.3705**.

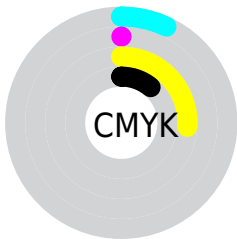
# Distribution



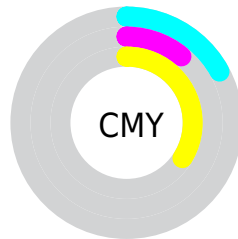
- Red (83%)
- Green (89%)
- Blue (66%)



- Red (66%)
- Yellow (89%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




- Cyan (17%)
- Magenta (11%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1628, 0.3397, 0.3975 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 72.1628, 0.3397, 0.3975 by changing the saturation by 10% instead.





 72.1628, 0.3397,  
0.3975


 72.1628, 0.3397,  
0.3975


468.1081, 0.3278,  
0.3649

 53.2917, 0.3422,  
0.4051


 122.2880, 0.3357,  
0.3861

 38.0357, 0.3452,  
0.4146


 154.3108, 0.3341,  
0.3817

 26.0104, 0.3489,  
0.4267

191.4863, 0.3327,  
0.3779

 16.8314, 0.3532,  
0.4426

234.1989, 0.3315,  
0.3746

 10.1144, 0.3584,  
0.4644

282.8330, 0.3304,  
0.3717

 5.4748, 0.3641,  
0.4956


337.7729, 0.3295,

 2.5285, 0.3813,


0.3692


0.5623

399.4032, 0.3286,  
0.3670

 0.8908, 0.3432,  
0.6568


 0.0000, 0.0000,  
0.0000


 72.1628, 0.3397,  
0.3975


 72.1628, 0.3397,  
0.3975

 70.4537, 0.3494,  
0.4250


 74.0657, 0.3295,  
0.3705

 68.9205, 0.3580,  
0.4520

 76.1605, 0.3192,  
0.3446

 67.5576, 0.3651,  
0.4775

 78.4576, 0.3090,  
0.3203

 66.3551, 0.3702,  
0.5002

 80.6918, 0.3018,  
0.3019

■ 65.3019, 0.3729,  
0.5189

■ 81.8240, 0.3061,  
0.3022

■ 64.3851, 0.3729,  
0.5330

■ 82.9967, 0.3104,  
0.3026

■ 63.5887, 0.3706,  
0.5422

■ 83.9732, 0.3139,  
0.3029

■ 63.3169, 0.3694,  
0.5449

# Harmonies

## Analogous

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



72.1628, 0.3717, 0.3905



72.1628, 0.3397, 0.3975



72.1628, 0.3017, 0.3831

# Triad

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



72.1628, 0.3397, 0.3975



72.1628, 0.2424, 0.2843



72.1628, 0.3578, 0.3069

# Complementary

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



72.1628, 0.3397, 0.3975



43.9107, 0.2803, 0.2564

# Split Complementary

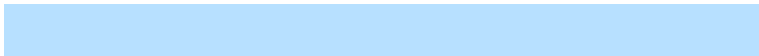
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.1628, 0.3204, 0.2824



72.1628, 0.3397, 0.3975



72.1628, 0.2551, 0.2688

# Square

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



72.1628, 0.3397, 0.3975



72.1628, 0.2469, 0.3140



72.1628, 0.2829, 0.2686



72.1628, 0.3832, 0.3373



# Rectangle

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



72.1628, 0.3397, 0.3975



72.1628, 0.2782, 0.3631



72.1628, 0.2829, 0.2686



72.1628, 0.3461, 0.2978

# Sweetspot

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



72.1660, 0.3397, 0.3975



97.6743, 0.3209, 0.3489



54.0126, 0.3642, 0.3487



20.8168, 0.3225, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

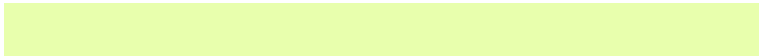


# Same Dimension

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



72.1660, 0.3397, 0.3975



91.6850, 0.3455, 0.4136



68.1406, 0.3181, 0.4024



16.6011, 0.3224, 0.3525



36.6201, 0.3702, 0.5443



2.7525, 0.3776, 0.5384



# Inverse Universe

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



43.9107, 0.2803, 0.2564



49.0691, 0.2715, 0.2380



48.0442, 0.3048, 0.2614



14.0840, 0.3024, 0.3050



3.9284, 0.1684, 0.0701

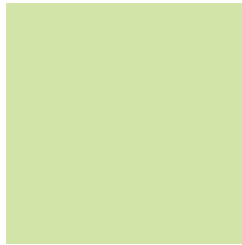


0.3361, 0.1837, 0.0786



# Previews

## White Background



This preview shows how the Yxy color 72.1628, 0.3397, 0.3975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

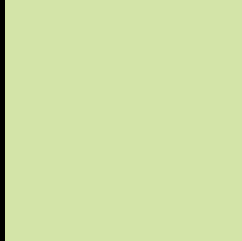
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1628, 0.3397, 0.3975 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

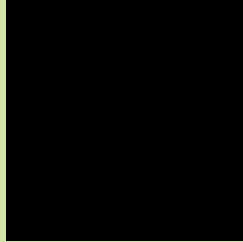
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

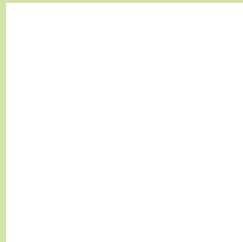
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.1628, 0.3397, 0.3975**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1628, 0.3397, 0.3975.

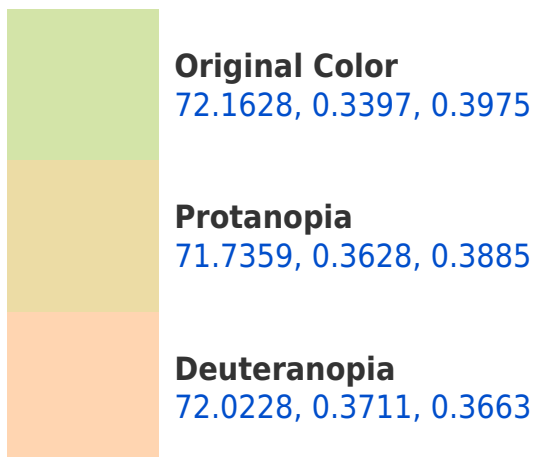


This preview shows how white text looks on a background with the Yxy color 72.1628, 0.3397, 0.3975.

# 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

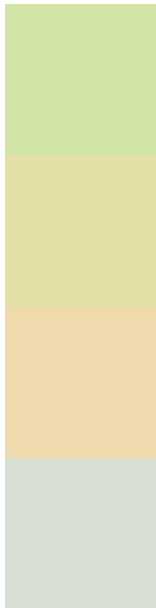




## Tritanopia

71.9348, 0.3024, 0.3108

# Trichromacy



**Original Color**

72.1628, 0.3397, 0.3975

**Protanomaly**

71.8594, 0.3543, 0.3920

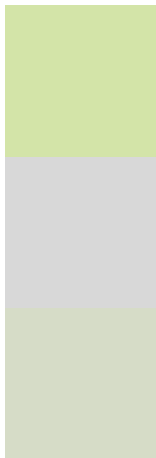
**Deuteranomaly**

71.5495, 0.3593, 0.3764

**Tritanomaly**

71.6974, 0.3164, 0.3412

# Monochromacy



**Original Color**

72.1628, 0.3397, 0.3975

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

69.6061, 0.3224, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  72.1628, 0.3397, 0.3975 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(211, 228, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 228, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1628, 0.3397, 0.3975 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, 168) }
```

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

```
.border{ border-color:rgb(211, 228, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 228, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 228, 168);  
box-shadow:4px 4px 4px 4px rgb(211, 228,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1628, 0.3397, 0.3975 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, 168) }
```

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

```
.background{ background-color: rgb(211,  
228, 168) }
```

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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