

# Converting Colors

$Yxy(71.2634, 0.3260, 0.3682)$

Have a look what the booklet for  
Yxy(71.2634, 0.3260, 0.3682)  
contains.

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# Color

**Yxy(71.4170, 0.3257, 0.3687)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3E1BE
RGB	211, 225, 190
RGB Percent	83%, 88%, 75%
CMY	0.1725, 0.1176, 0.2548
CMYK	0.06, 0.00, 0.16, 0.12
HSL	84°, 37%, 81%
HSV	84°, 16%, 88%
XYZ	63.0879, 71.4170, 59.1946
YIQ	216.8240, 2.8910, -13.8530

# Conversions

## Conversions Part 2

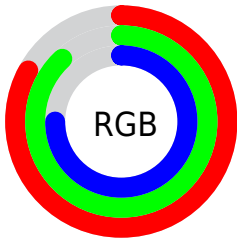
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 225, 204
Decimal	13885886
CIELab	87.69, -10.77, 15.54
CIELCh	88, 18.909, 124.735
Yxy	71.4170, 0.3257, 0.3687
Android (android.graphics.Color)	4292075966 (0xFFD3E1BE)
YUV	216.8240, -13.2242, -5.1076
Hunter-Lab	84.5086, -14.6350, 17.6260

# Details

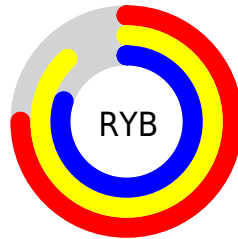
The Yxy color **71.4170, 0.3257, 0.3687** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.1202, 0.2982, 0.2887**, and the grayscale version is **69.3560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **37.6235, 0.3279, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **69.2177, 0.3339, 0.3964**, and if you desaturate by 10%, it is **73.8489, 0.3173, 0.3426**.

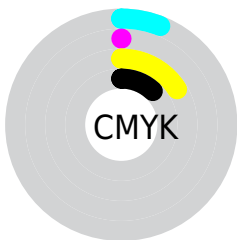
# Distribution



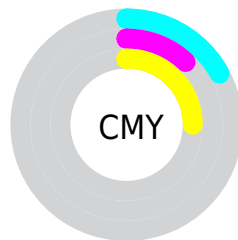
- Red (83%)
- Green (88%)
- Blue (75%)



- Red (75%)
- Yellow (88%)
- Blue (80%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)




- Cyan (17%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4170, 0.3257, 0.3687 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 71.4170, 0.3257, 0.3687 by changing the saturation by 10% instead.



 71.4170, 0.3257,  
0.3687

 71.4170, 0.3257,  
0.3687


465.5098, 0.3199,  
0.3499

 52.6826, 0.3270,  
0.3731


 121.2273, 0.3237,  
0.3621

 37.5494, 0.3285,  
0.3786


153.0720, 0.3229,  
0.3595

 25.6332, 0.3305,  
0.3856

190.0555, 0.3222,  
0.3574

 16.5494, 0.3329,  
0.3950

232.5622, 0.3217,  
0.3555

 9.9138, 0.3361,  
0.4080

280.9767, 0.3211,  
0.3538

 5.3418, 0.3402,  
0.4272

335.6832, 0.3207,

 2.4492, 0.3456,

0.3524

0.4583

397.0661, 0.3202,  
0.3511

0.8510, 0.3908,  
0.6092

0.0000, 0.0000,  
0.0000

71.4170, 0.3257,  
0.3687

71.4170, 0.3257,  
0.3687

69.2177, 0.3339,  
0.3964

73.8489, 0.3173,  
0.3426

67.2336, 0.3415,  
0.4250

76.5118, 0.3090,  
0.3185

65.4589, 0.3482,  
0.4537

79.2516, 0.3026,  
0.2989

63.8844, 0.3534,  
0.4814

80.8496, 0.3087,  
0.2994

■ 62.4997, 0.3567,  
0.5066

■ 82.3308, 0.3141,  
0.2999

■ 61.2932, 0.3577,  
0.5281

■ 60.2518, 0.3562,  
0.5447

■ 59.3594, 0.3525,  
0.5561

■ 58.9981, 0.3504,  
0.5600

# Harmonies

## Analogous

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



71.4170, 0.3458, 0.3676



71.4170, 0.3257, 0.3687



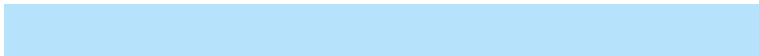
71.4170, 0.3027, 0.3580

# Triad

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



71.4170, 0.3257, 0.3687



71.4170, 0.2701, 0.3001



71.4170, 0.3430, 0.3188

# Complementary

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



71.4170, 0.3257, 0.3687



55.1202, 0.2982, 0.2887

# 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.



71.4170, 0.3217, 0.3024



71.4170, 0.3257, 0.3687



71.4170, 0.2799, 0.2914

# Square

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



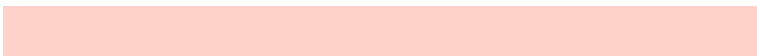
71.4170, 0.3257, 0.3687



71.4170, 0.2711, 0.3172



71.4170, 0.2986, 0.2925



71.4170, 0.3562, 0.3382



# Rectangle

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



71.4170, 0.3257, 0.3687



71.4170, 0.2888, 0.3457



71.4170, 0.2986, 0.2925



71.4170, 0.3365, 0.3128

# Sweetspot

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



71.4201, 0.3257, 0.3687



98.2509, 0.3169, 0.3414



62.9231, 0.3395, 0.3448



20.9785, 0.3175, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

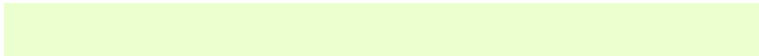


# Same Dimension

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



71.4201, 0.3257, 0.3687



93.7693, 0.3287, 0.3785



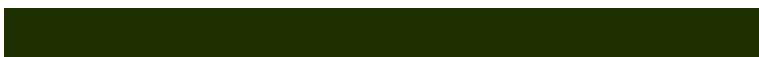
68.9776, 0.3132, 0.3702



15.7417, 0.3206, 0.3526



34.0669, 0.3514, 0.5592



2.4130, 0.3617, 0.5510



# Inverse Universe

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



55.1202, 0.2982, 0.2887



67.7869, 0.2943, 0.2786



57.7302, 0.3118, 0.2904



13.5096, 0.3043, 0.3052



4.4502, 0.1848, 0.0792

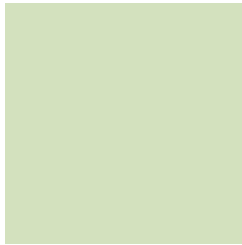


0.3595, 0.2022, 0.0888



# Previews

## White Background



This preview shows how the Yxy color 71.4170, 0.3257, 0.3687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

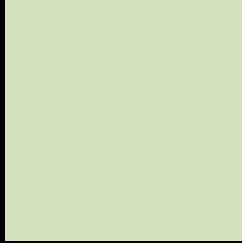
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4170, 0.3257, 0.3687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

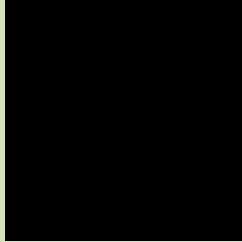
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

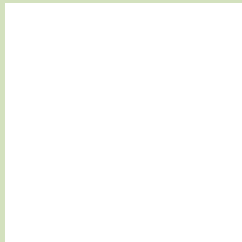
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4170, 0.3257, 0.3687**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4170, 0.3257, 0.3687.

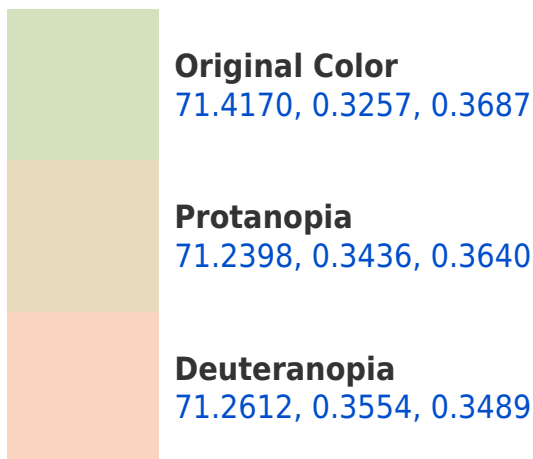


This preview shows how white text looks on a background with the Yxy color 71.4170, 0.3257, 0.3687.

# 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

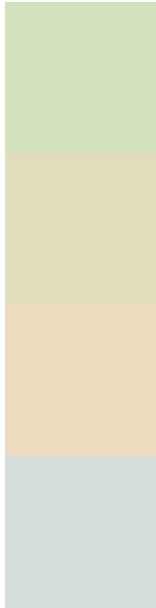




## Tritanopia

71.6246, 0.3010, 0.3107

# Trichromacy



**Original Color**

71.4170, 0.3257, 0.3687

**Protanomaly**

71.1910, 0.3373, 0.3656

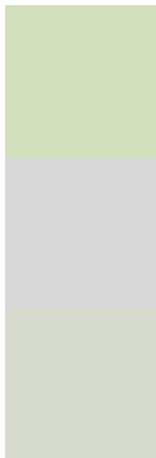
**Deuteranomaly**

71.2643, 0.3443, 0.3560

**Tritanomaly**

71.2744, 0.3098, 0.3312

# Monochromacy



**Original Color**

71.4170, 0.3257, 0.3687

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

70.1385, 0.3178, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4170, 0.3257, 0.3687 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, 225, 190)` looks like.

```
.text, #text, p{  
    color:rgb(211, 225, 190)  
}
```

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, 225, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 225, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4170, 0.3257, 0.3687 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, 225, 190) }
```

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

```
.border{ border-color:rgb(211, 225, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 225, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 225, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 225, 190);  
box-shadow:4px 4px 4px 4px rgb(211, 225,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4170, 0.3257, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 225, 190) }
```

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

```
.background{ background-color: rgb(211,  
225, 190) }
```

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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