

# Converting Colors

$Yxy(70.7032, 0.3307, 0.3723)$

Have a look what the booklet for  
Yxy(70.7032, 0.3307, 0.3723)  
contains.

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# Color

**Yxy(70.4243, 0.3308, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5DFB9
RGB	213, 223, 185
RGB Percent	84%, 87%, 73%
CMY	0.1646, 0.1255, 0.2745
CMYK	0.04, 0.00, 0.17, 0.13
HSL	76°, 37%, 80%
HSV	76°, 17%, 87%
XYZ	62.5910, 70.4243, 56.1956
YIQ	215.6780, 6.2380, -13.9380

# Conversions

## Conversions Part 2

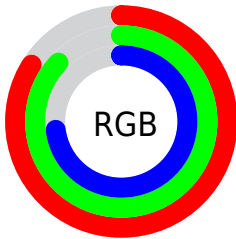
Format	Color
<a href="#">RYB</a>	<a href="#">185, 223, 195</a>
Decimal	<a href="#">14016441</a>
CIELab	<a href="#">87.20, -9.84, 17.51</a>
CIELCh	<a href="#">87, 20.088, 119.337</a>
Yxy	<a href="#">70.4243, 0.3308, 0.3722</a>
Android (android.graphics.Color)	<a href="#">4292206521</a> ( <a href="#">0xFFD5DFB9</a> )
YUV	<a href="#">215.6780, -15.1243, -2.3486</a>
Hunter-Lab	<a href="#">83.9192, -13.7247, 19.0405</a>

# Details

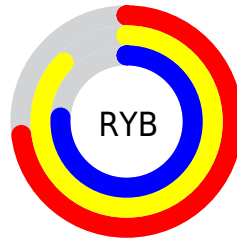
The Yxy color **70.4243, 0.3308, 0.3722** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.6273, 0.2925, 0.2840**, and the grayscale version is **68.5449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **36.9403, 0.3345, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **68.6984, 0.3413, 0.3991**, and if you desaturate by 10%, it is **72.3357, 0.3201, 0.3463**.

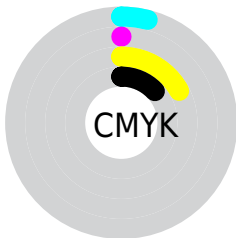
# Distribution



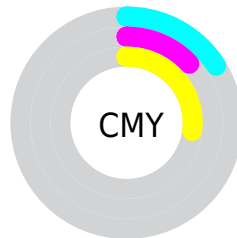
- Red (84%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (76%)



- Cyan (4%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)




- Cyan (16%)
- Magenta (13%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4243, 0.3308, 0.3722 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 70.4243, 0.3308, 0.3722 by changing the saturation by 10% instead.





 70.4243, 0.3308,  
0.3722

 70.4243, 0.3308,  
0.3722


462.0384, 0.3226,  
0.3517

 51.8725, 0.3326,  
0.3770


 119.8136, 0.3280,  
0.3650

 36.9035, 0.3349,  
0.3830


151.4200, 0.3269,  
0.3622

 25.1328, 0.3376,  
0.3906


188.1466, 0.3259,  
0.3599

 16.1760, 0.3412,  
0.4008

230.3780, 0.3251,  
0.3578

 9.6488, 0.3458,  
0.4149

278.4985, 0.3244,  
0.3560

 5.1667, 0.3519,  
0.4357


332.8924, 0.3237,

 2.3454, 0.3604,


0.3544


0.4695

393.9443, 0.3231,  
0.3530


 0.7976, 0.3937,  
0.6063


 0.0000, 0.0000,  
0.0000

 70.4243, 0.3308,  
0.3722

 70.4243, 0.3308,  
0.3722


 68.6984, 0.3413,  
0.3991


 72.3357, 0.3201,  
0.3463


 67.1416, 0.3513,  
0.4264

 74.4300, 0.3096,  
0.3220

 65.7491, 0.3603,  
0.4530

 76.7167, 0.2996,  
0.2994

 64.5126, 0.3676,  
0.4779

 77.9025, 0.3016,  
0.2967

■ 63.4228, 0.3729,  
0.4999

■ 78.9234, 0.3055,  
0.2971

■ 62.4690, 0.3758,  
0.5179

■ 79.9775, 0.3095,  
0.2975

■ 61.6392, 0.3761,  
0.5313

■ 81.0650, 0.3135,  
0.2979

■ 60.9174, 0.3739,  
0.5399

■ 81.2543, 0.3142,  
0.2980

■ 60.7164, 0.3731,  
0.5420

# Harmonies

## Analogous

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



70.4243, 0.3510, 0.3687



70.4243, 0.3308, 0.3722



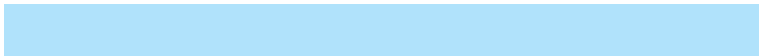
70.4243, 0.3063, 0.3629

# Triad

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



70.4243, 0.3308, 0.3722



70.4243, 0.2666, 0.3008



70.4243, 0.3414, 0.3146

# Complementary

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



70.4243, 0.3308, 0.3722



51.6273, 0.2925, 0.2840

# 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.



70.4243, 0.3178, 0.2982



70.4243, 0.3308, 0.3722



70.4243, 0.2751, 0.2899

# Square

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



70.4243, 0.3308, 0.3722



70.4243, 0.2699, 0.3203



70.4243, 0.2935, 0.2892



70.4243, 0.3575, 0.3350



# Rectangle

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



70.4243, 0.3308, 0.3722



70.4243, 0.2909, 0.3507



70.4243, 0.2935, 0.2892



70.4243, 0.3340, 0.3085

# Sweetspot

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



70.4274, 0.3308, 0.3722



98.5766, 0.3180, 0.3413



57.9991, 0.3434, 0.3400



21.0577, 0.3188, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

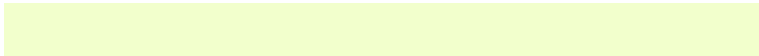


# Same Dimension

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



70.4274, 0.3308, 0.3722



94.6885, 0.3341, 0.3805



67.8135, 0.3173, 0.3740



15.8391, 0.3227, 0.3524



35.7584, 0.3738, 0.5414



2.5212, 0.3811, 0.5356



# Inverse Universe

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



51.6273, 0.2925, 0.2840



65.2168, 0.2883, 0.2750



54.2491, 0.3071, 0.2859



13.4164, 0.3021, 0.3050



3.7177, 0.1661, 0.0689

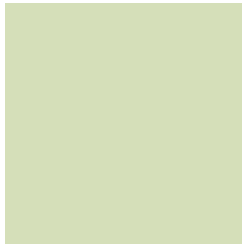


0.3006, 0.1820, 0.0776



# Previews

## White Background



This preview shows how the Yxy color 70.4243, 0.3308, 0.3722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

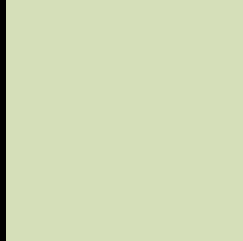
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.4243, 0.3308, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

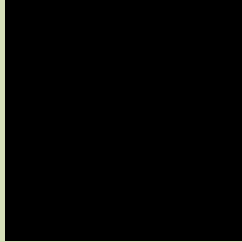
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

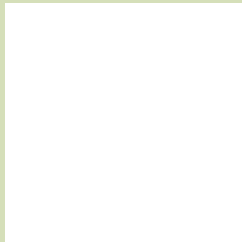
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.4243, 0.3308, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.4243, 0.3308, 0.3722.

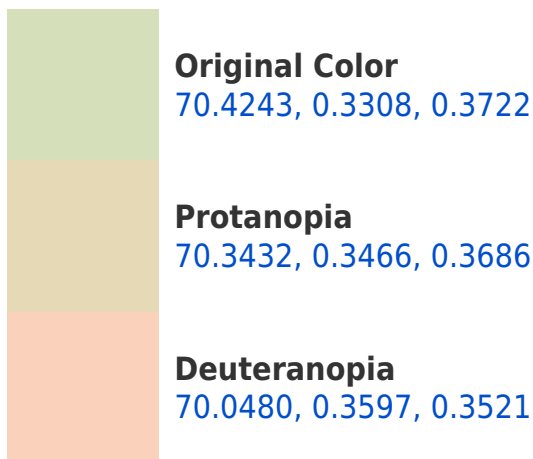


This preview shows how white text looks on a background with the Yxy color 70.4243, 0.3308, 0.3722.

# 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

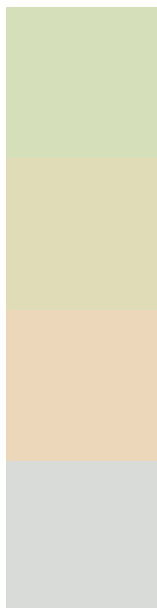




## Tritanopia

70.2106, 0.3043, 0.3107

# Trichromacy



## Original Color

70.4243, 0.3308, 0.3722

## Protanomaly

70.4526, 0.3409, 0.3702

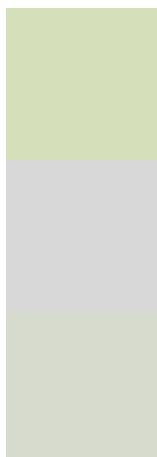
## Deuteranomaly

70.1933, 0.3491, 0.3593

## Tritanomaly

70.3726, 0.3133, 0.3323

# Monochromacy



## Original Color

70.4243, 0.3308, 0.3722

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.5179, 0.3192, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.4243, 0.3308, 0.3722 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(213, 223, 185)` looks like.

```
.text, #text, p{  
    color:rgb(213, 223, 185)  
}
```

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(213, 223, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 223, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 70.4243, 0.3308, 0.3722 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(213, 223, 185) }
```

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

```
.border{ border-color:rgb(213, 223, 185) }
```

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

Here you see how a box with a 4 pixel rgb(213, 223, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 223, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 223, 185);  
box-shadow:4px 4px 4px 4px rgb(213, 223,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.4243, 0.3308, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 223, 185) }
```

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

```
.background{ background-color: rgb(213,  
223, 185) }
```

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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