

# Converting Colors

$Y_{xy}(72.1287, 0.3250, 0.3695)$

Have a look what the booklet for  
Yxy(72.1287, 0.3250, 0.3695)  
contains.

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# Color

**Yxy(72.0032, 0.3249, 0.3687)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D3E2BF
RGB	211, 226, 191
RGB Percent	83%, 89%, 75%
CMY	0.1728, 0.1136, 0.2510
CMYK	0.07, 0.00, 0.16, 0.11
HSL	86°, 38%, 82%
HSV	86°, 16%, 89%
XYZ	63.4495, 72.0032, 59.8367
YIQ	217.5250, 2.2950, -14.0650

# Conversions

## Conversions Part 2

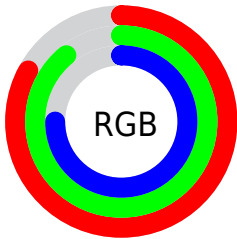
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 226, 206
Decimal	13886143
CIELab	87.97, -11.16, 15.44
CIElCh	88, 19.052, 125.865
Yxy	72.0032, 0.3249, 0.3687
Android (android.graphics.Color)	4292076223 (0xFFD3E2BF)
YUV	217.5250, -13.0768, -5.7224
Hunter-Lab	84.8547, -15.0236, 17.5890

# Details

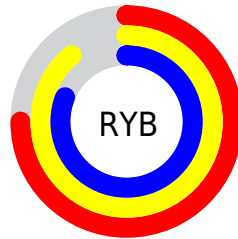
The Yxy color **72.0032, 0.3249, 0.3687** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **55.8818, 0.2990, 0.2889**, and the grayscale version is **69.8522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **38.0287, 0.3268, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **69.6930, 0.3326, 0.3965**, and if you desaturate by 10%, it is **74.5603, 0.3170, 0.3425**.

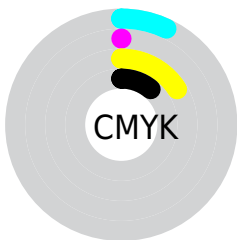
# Distribution



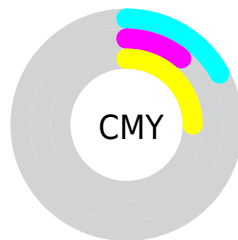
- Red (83%)
- Green (89%)
- Blue (75%)



- Red (75%)
- Yellow (89%)
- Blue (81%)



- Cyan (7%)
- Magenta (0%)
- Yellow (16%)
- Black (11%)




- Cyan (17%)
- Magenta (11%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0032, 0.3249, 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 72.0032, 0.3249, 0.3687 by changing the saturation by 10% instead.





 72.0032, 0.3249,  
0.3687

 72.0032, 0.3249,  
0.3687


467.5527, 0.3194,  
0.3499

 53.1613, 0.3261,  
0.3731


 122.0611, 0.3230,  
0.3621

 37.9315, 0.3275,  
0.3786


154.0458, 0.3223,  
0.3596

 25.9296, 0.3293,  
0.3856


191.1803, 0.3217,  
0.3574

 16.7710, 0.3316,  
0.3949

233.8490, 0.3211,  
0.3555

 10.0713, 0.3345,  
0.4078

282.4361, 0.3206,  
0.3538

 5.4463, 0.3383,  
0.4270

337.3262, 0.3202,

 2.5114, 0.3431,

0.3524

0.4579

398.9036, 0.3198,  
0.3511

0.8823, 0.3909,  
0.6091

0.0000, 0.0000,  
0.0000

72.0032, 0.3249,  
0.3687

72.0032, 0.3249,  
0.3687

69.6930, 0.3326,  
0.3965

74.5603, 0.3170,  
0.3425

67.6117, 0.3397,  
0.4255

77.3629, 0.3092,  
0.3184

65.7534, 0.3458,  
0.4546

80.1749, 0.3040,  
0.3000

64.1081, 0.3505,  
0.4828

81.9256, 0.3106,  
0.3006

■ 62.6651, 0.3533,  
0.5086

■ 82.8857, 0.3140,  
0.3009

■ 61.4125, 0.3539,  
0.5307

■ 60.3364, 0.3520,  
0.5479

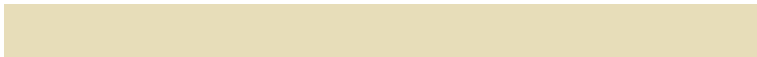
■ 59.4203, 0.3479,  
0.5596

■ 59.0487, 0.3457,  
0.5637

# Harmonies

## Analogous

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



72.0032, 0.3453, 0.3681



72.0032, 0.3249, 0.3687



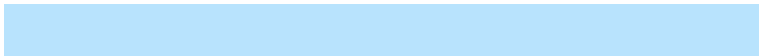
72.0032, 0.3018, 0.3575

# Triad

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



72.0032, 0.3249, 0.3687



72.0032, 0.2701, 0.2995



72.0032, 0.3438, 0.3195

# Complementary

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



72.0032, 0.3249, 0.3687



55.8818, 0.2990, 0.2889

# 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.



72.0032, 0.3226, 0.3028



72.0032, 0.3249, 0.3687



72.0032, 0.2803, 0.2911

# Square

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



72.0032, 0.3249, 0.3687



72.0032, 0.2707, 0.3164



72.0032, 0.2993, 0.2925



72.0032, 0.3567, 0.3390



# Rectangle

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



72.0032, 0.3249, 0.3687



72.0032, 0.2879, 0.3450



72.0032, 0.2993, 0.2925



72.0032, 0.3374, 0.3134

# Sweetspot

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



72.0063, 0.3249, 0.3687



98.1793, 0.3167, 0.3414



63.8777, 0.3393, 0.3454



20.9611, 0.3172, 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.



72.0063, 0.3249, 0.3687



93.5185, 0.3277, 0.3786



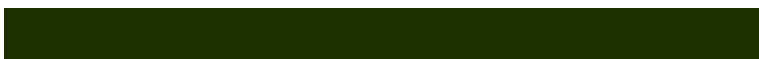
69.6240, 0.3128, 0.3702



15.7204, 0.3201, 0.3526



33.7507, 0.3467, 0.5629



2.3920, 0.3576, 0.5543



# Inverse Universe

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



55.8818, 0.2990, 0.2889



68.0262, 0.2953, 0.2788



58.4536, 0.3122, 0.2905



13.5304, 0.3048, 0.3052



4.6597, 0.1899, 0.0820

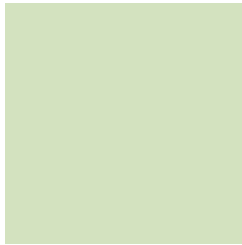


0.3751, 0.2073, 0.0915



# Previews

## White Background



This preview shows how the Yxy color 72.0032, 0.3249, 0.3687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

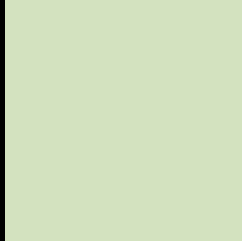
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0032, 0.3249, 0.3687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

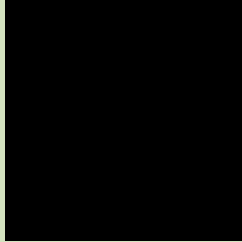
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

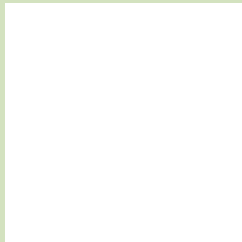
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.0032, 0.3249, 0.3687**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0032, 0.3249, 0.3687.

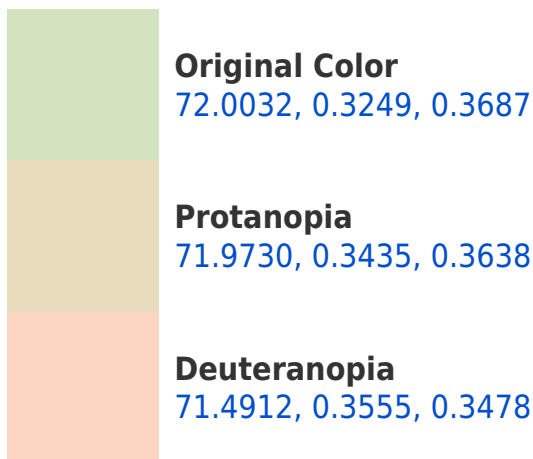


This preview shows how white text looks on a background with the Yxy color 72.0032, 0.3249, 0.3687.

# 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

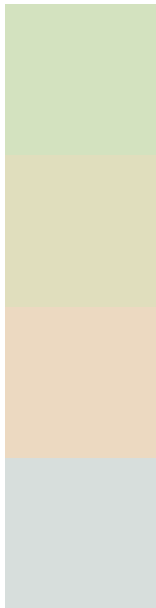




## Tritanopia

72.2063, 0.3003, 0.3107

# Trichromacy



**Original Color**

72.0032, 0.3249, 0.3687

**Protanomaly**

71.7640, 0.3364, 0.3655

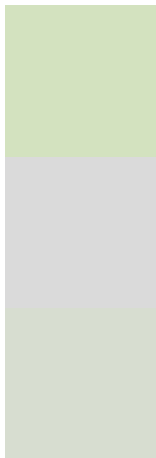
**Deuteranomaly**

71.3088, 0.3436, 0.3549

**Tritanomaly**

71.8569, 0.3091, 0.3312

# Monochromacy



**Original Color**

72.0032, 0.3249, 0.3687

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.7140, 0.3170, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0032, 0.3249, 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, 226, 191)` looks like.

```
.text, #text, p{  
    color:rgb(211, 226, 191)  
}
```

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, 226, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 226, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0032, 0.3249, 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, 226, 191) }
```

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

```
.border{ border-color:rgb(211, 226, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 226, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 226, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 226, 191);  
box-shadow:4px 4px 4px 4px rgb(211, 226,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0032, 0.3249, 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, 226, 191) }
```

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

```
.background{ background-color: rgb(211,  
226, 191) }
```

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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