

# Converting Colors

$Yxy(69.3007, 0.3274, 0.3700)$

Have a look what the booklet for  
Yxy(69.3007, 0.3274, 0.3700)  
contains.

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# Color

**Yxy(69.3430, 0.3273, 0.3704)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1DEBA
RGB	209, 222, 186
RGB Percent	82%, 87%, 73%
CMY	0.1804, 0.1294, 0.2707
CMYK	0.06, 0.00, 0.16, 0.13
HSL	82°, 35%, 80%
HSV	82°, 16%, 87%
XYZ	61.2742, 69.3430, 56.5939
YIQ	214.0090, 3.8080, -13.9520

# Conversions

## Conversions Part 2

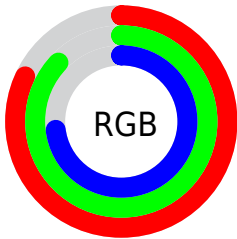
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 222, 199
Decimal	13754042
CIE Lab	86.67, -10.63, 16.22
CIE LCh	87, 19.389, 123.231
Yxy	69.3430, 0.3273, 0.3704
Android (android.graphics.Color)	4291944122 (0xFFD1DEBA)
YUV	214.0090, -13.8084, -4.3929
Hunter-Lab	83.2724, -14.3815, 17.9958

# Details

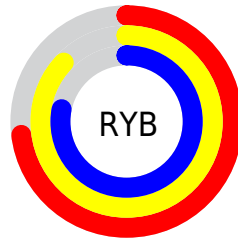
The Yxy color **69.3430, 0.3273, 0.3704** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.5226, 0.2963, 0.2867**, and the grayscale version is **67.3437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **36.2009, 0.3299, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **67.3335, 0.3361, 0.3979**, and if you desaturate by 10%, it is **71.5642, 0.3183, 0.3443**.

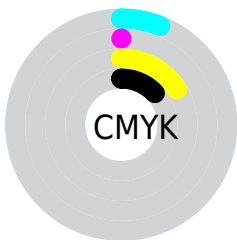
# Distribution



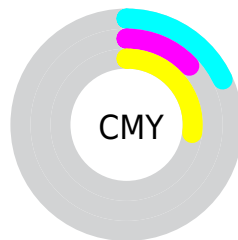
- Red (82%)
- Green (87%)
- Blue (73%)



- Red (73%)
- Yellow (87%)
- Blue (78%)



- Cyan (6%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)



- Cyan (18%)
- Magenta (13%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3430, 0.3273, 0.3704 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 69.3430, 0.3273, 0.3704 by changing the saturation by 10% instead.




 69.3430, 0.3273,  
0.3704

 69.3430, 0.3273,  
0.3704


458.2398, 0.3207,  
0.3507

 50.9911, 0.3288,  
0.3750

 118.2713, 0.3250,  
0.3635

 36.2015, 0.3305,  
0.3808


149.6166, 0.3242,  
0.3608

 24.5899, 0.3328,  
0.3883


186.0617, 0.3234,  
0.3585

 15.7718, 0.3356,  
0.3982

227.9912, 0.3227,  
0.3565

 9.3628, 0.3392,  
0.4121

275.7893, 0.3221,  
0.3548

 4.9786, 0.3441,  
0.4327

329.8405, 0.3216,

 2.2347, 0.3505,

0.3533

0.4666

390.5292, 0.3211,  
0.3519

0.7388, 0.3748,  
0.6252

0.0000, 0.0000,  
0.0000

69.3430, 0.3273,  
0.3704

69.3430, 0.3273,  
0.3704

67.3335, 0.3361,  
0.3979

71.5642, 0.3183,  
0.3443

65.5189, 0.3444,  
0.4261


73.9951, 0.3094,  
0.3201


63.8942, 0.3517,  
0.4543

76.6456, 0.3008,  
0.2978


62.4504, 0.3574,  
0.4811


78.1819, 0.3047,  
0.2960


 61.1780, 0.3612,  
0.5053


 79.6253, 0.3102,  
0.2966

 60.0660, 0.3626,  
0.5257

 80.7280, 0.3142,  
0.2970

 59.1018, 0.3616,  
0.5414

 58.2700, 0.3582,  
0.5519

 57.9812, 0.3566,  
0.5551

# Harmonies

## Analogous

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



69.3430, 0.3478, 0.3686



69.3430, 0.3273, 0.3704



69.3430, 0.3035, 0.3599

# Triad

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



69.3430, 0.3273, 0.3704



69.3430, 0.2684, 0.2998



69.3430, 0.3431, 0.3175

# Complementary

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



69.3430, 0.3273, 0.3704



52.5226, 0.2963, 0.2867

# 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.



69.3430, 0.3208, 0.3008



69.3430, 0.3273, 0.3704



69.3430, 0.2780, 0.2904

# Square

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



69.3430, 0.3273, 0.3704



69.3430, 0.2701, 0.3178



69.3430, 0.2969, 0.2910



69.3430, 0.3573, 0.3375



# Rectangle

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



69.3430, 0.3273, 0.3704



69.3430, 0.2889, 0.3474



69.3430, 0.2969, 0.2910



69.3430, 0.3363, 0.3114

# Sweetspot

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



69.3460, 0.3273, 0.3704



98.3426, 0.3172, 0.3413



59.7322, 0.3411, 0.3435



21.0008, 0.3179, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

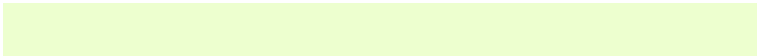


# Same Dimension

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



69.3460, 0.3273, 0.3704



94.0930, 0.3299, 0.3783



66.9177, 0.3145, 0.3721



15.7691, 0.3212, 0.3525



34.5009, 0.3575, 0.5544



2.4414, 0.3670, 0.5468



# Inverse Universe

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



52.5226, 0.2963, 0.2867



67.4839, 0.2930, 0.2784



55.0726, 0.3103, 0.2884



13.4831, 0.3037, 0.3052



4.2082, 0.1788, 0.0759

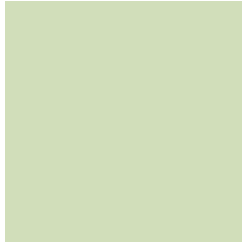


0.3410, 0.1961, 0.0854



# Previews

## White Background



This preview shows how the Yxy color 69.3430, 0.3273, 0.3704 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

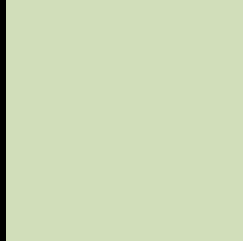
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.3430, 0.3273, 0.3704 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

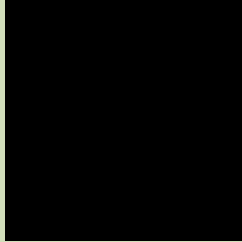
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

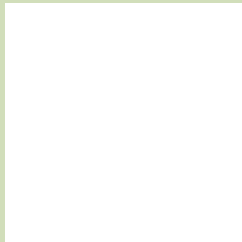
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.3430, 0.3273, 0.3704**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.3430, 0.3273, 0.3704.

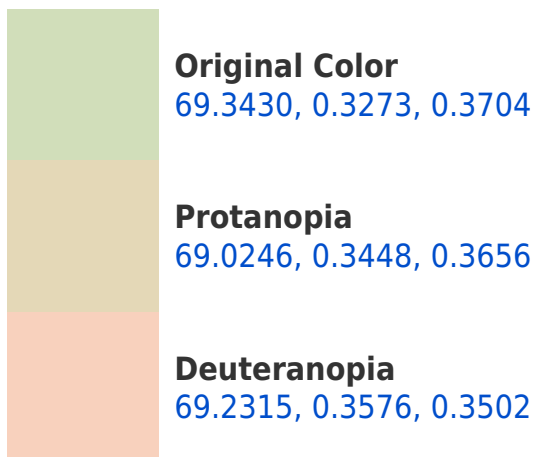


This preview shows how white text looks on a background with the Yxy color 69.3430, 0.3273, 0.3704.

# 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

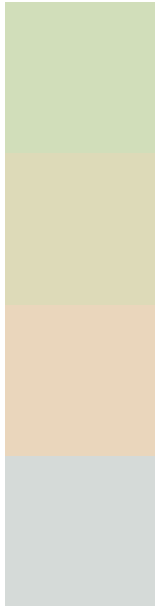




## Tritanopia

69.0830, 0.3015, 0.3094

# Trichromacy



**Original Color**

69.3430, 0.3273, 0.3704

**Protanomaly**

68.9757, 0.3383, 0.3672

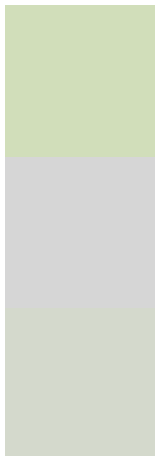
**Deuteranomaly**

69.2164, 0.3462, 0.3574

**Tritanomaly**

69.2468, 0.3105, 0.3312

# Monochromacy



**Original Color**

69.3430, 0.3273, 0.3704

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

67.9824, 0.3178, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.3430, 0.3273, 0.3704 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(209, 222, 186)` looks like.

```
.text, #text, p{  
    color:rgb(209, 222, 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(209, 222, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 222, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 69.3430, 0.3273, 0.3704 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(209, 222, 186) }
```

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

```
.border{ border-color:rgb(209, 222, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 222, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 222, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 222, 186);  
box-shadow:4px 4px 4px 4px rgb(209, 222,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.3430, 0.3273, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 222, 186) }
```

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

```
.background{ background-color: rgb(209,  
222, 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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