

# Converting Colors

Yxy(66.3916, 0.3414, 0.3822)

Have a look what the booklet for  
Yxy(66.3916, 0.3414, 0.3822)  
contains.

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# Color

**Yxy(66.5630, 0.3406, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D9AB
RGB	212, 217, 171
RGB Percent	83%, 85%, 67%
CMY	0.1688, 0.1489, 0.3294
CMYK	0.02, 0.00, 0.21, 0.15
HSL	67°, 38%, 76%
HSV	67°, 21%, 85%
XYZ	59.3025, 66.5630, 48.2464
YIQ	210.2610, 11.7860, -15.3660

# Conversions

## Conversions Part 2

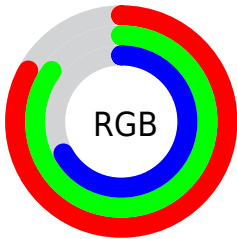
Format	Color
<a href="#">RYB</a>	<a href="#">171, 217, 176</a>
Decimal	<a href="#">13949355</a>
CIELab	<a href="#">85.28, -9.31, 22.15</a>
CIELCh	<a href="#">85, 24.029, 112.806</a>
Yxy	<a href="#">66.5630, 0.3406, 0.3823</a>
Android (android.graphics.Color)	<a href="#">4292139435 (0xFFD4D9AB)</a>
YUV	<a href="#">210.2610, -19.3557, 1.5251</a>
Hunter-Lab	<a href="#">81.5862, -13.0295, 22.0488</a>

# Details

The Yxy color **66.5630, 0.3406, 0.3823** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.3726, 0.2812, 0.2710**, and the grayscale version is **64.7493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **34.3407, 0.3467, 0.3948** is the 20% darker color. If you saturate the color by 10%, you get **65.4522, 0.3537, 0.4081**, and if you desaturate by 10%, it is **67.8208, 0.3273, 0.3567**.

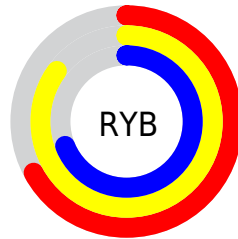
# Distribution



Red (83%)

Green (85%)

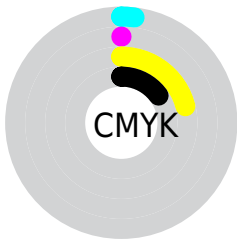
Blue (67%)



Red (67%)

Yellow (85%)

Blue (69%)

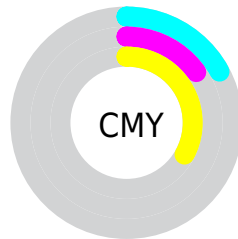


Cyan (2%)

Magenta (0%)

Yellow (21%)

Black (15%)



Cyan (17%)

Magenta (15%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5630, 0.3406, 0.3823 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 66.5630, 0.3406, 0.3823 by changing the saturation by 10% instead.




 66.5630, 0.3406,  
0.3823

 66.5630, 0.3406,  
0.3823


448.3877, 0.3278,  
0.3568

 48.7296, 0.3435,  
0.3883

 114.2940, 0.3362,  
0.3733

 34.4050, 0.3470,  
0.3958

144.9604, 0.3345,  
0.3699

 23.2049, 0.3514,  
0.4054


180.6732, 0.3330,  
0.3669

 14.7449, 0.3569,  
0.4182

221.8168, 0.3317,  
0.3643

 8.6405, 0.3642,  
0.4360

268.7757, 0.3305,  
0.3621

 4.5075, 0.3737,  
0.4620

321.9342, 0.3295,

 1.9613, 0.4001,

0.3601

0.5218

381.6767, 0.3286,  
0.3584

0.5848, 0.3597,  
0.6403

0.0000, 0.0000,  
0.0000

66.5630, 0.3406,  
0.3823

66.5630, 0.3406,  
0.3823

65.4522, 0.3537,  
0.4081

67.8208, 0.3273,  
0.3567

64.4729, 0.3660,  
0.4333

69.2231, 0.3143,  
0.3319

63.6210, 0.3772,  
0.4568

70.7785, 0.3017,  
0.3085

62.8884, 0.3865,  
0.4777

72.3107, 0.2915,  
0.2894

■ 62.2665, 0.3935,  
0.4949

■ 72.6903, 0.2931,  
0.2896

■ 61.7450, 0.3980,  
0.5078

■ 73.0752, 0.2947,  
0.2898

■ 61.3119, 0.3999,  
0.5163

■ 73.4656, 0.2963,  
0.2899

■ 60.9859, 0.3999,  
0.5207

■ 73.8613, 0.2980,  
0.2901

■ 74.2625, 0.2996,  
0.2903

# Harmonies

## Analogous

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



66.5630, 0.3632, 0.3744



66.5630, 0.3406, 0.3823



66.5630, 0.3112, 0.3745

# Triad

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



66.5630, 0.3406, 0.3823



66.5630, 0.2566, 0.2988



66.5630, 0.3419, 0.3067

# Complementary

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



66.5630, 0.3406, 0.3823



43.3726, 0.2812, 0.2710

# Split Complementary

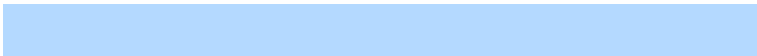
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.5630, 0.3120, 0.2886



66.5630, 0.3406, 0.3823



66.5630, 0.2638, 0.2833

# Square

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



66.5630, 0.3406, 0.3823



66.5630, 0.2635, 0.3241



66.5630, 0.2836, 0.2801



66.5630, 0.3643, 0.3304



# Rectangle

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



66.5630, 0.3406, 0.3823



66.5630, 0.2918, 0.3611



66.5630, 0.2836, 0.2801



66.5630, 0.3323, 0.2998

# Sweetspot

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



66.5659, 0.3406, 0.3823



98.7348, 0.3206, 0.3438



48.5878, 0.3541, 0.3346



21.1049, 0.3214, 0.3454



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.



66.5659, 0.3406, 0.3823



95.2435, 0.3459, 0.3927



63.4477, 0.3234, 0.3853



15.1872, 0.3250, 0.3522



36.9380, 0.4002, 0.5205



2.4143, 0.4035, 0.5178



# Inverse Universe

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



43.3726, 0.2812, 0.2710



56.6347, 0.2743, 0.2585



46.2233, 0.2996, 0.2740



12.6856, 0.2998, 0.3049



3.1723, 0.1541, 0.0622



0.2291, 0.1644, 0.0679



# Previews

## White Background



This preview shows how the Yxy color 66.5630, 0.3406, 0.3823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

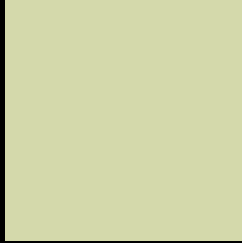
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.5630, 0.3406, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

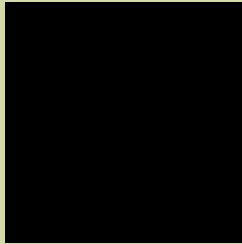
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

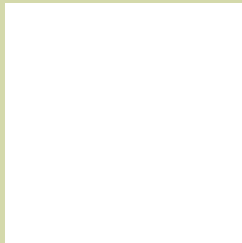
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.5630, 0.3406, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5630, 0.3406, 0.3823.



This preview shows how white text looks on a background with the Yxy color 66.5630, 0.3406, 0.3823.

# 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



### Original Color

66.5630, 0.3406, 0.3823

### Protanopia

66.6218, 0.3540, 0.3784

### Deuteranopia

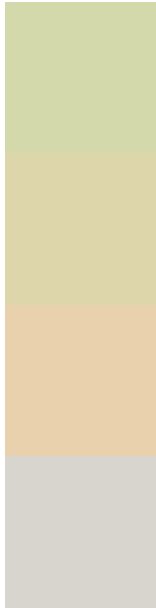
66.4928, 0.3694, 0.3621



## Tritanopia

66.6442, 0.3084, 0.3115

# Trichromacy



**Original Color**

66.5630, 0.3406, 0.3823

**Protanomaly**

66.3676, 0.3490, 0.3790

**Deuteranomaly**

66.1105, 0.3585, 0.3687

**Tritanomaly**

66.6437, 0.3198, 0.3369

# Monochromacy



**Original Color**

66.5630, 0.3406, 0.3823

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.4229, 0.3230, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5630, 0.3406, 0.3823 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(212, 217, 171)` looks like.

```
.text, #text, p{  
    color:rgb(212, 217, 171)  
}
```

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(212, 217, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 217, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5630, 0.3406, 0.3823 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(212, 217, 171) }
```

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

```
.border{ border-color:rgb(212, 217, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 217, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 217, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 217, 171);  
box-shadow:4px 4px 4px 4px rgb(212, 217,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5630, 0.3406, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 217, 171) }
```

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

```
.background{ background-color: rgb(212,  
217, 171) }
```

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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