

# Converting Colors

Yxy(67.6311, 0.3497, 0.3866)

Have a look what the booklet for  
Yxy(67.6311, 0.3497, 0.3866)  
contains.

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# **Color**

**Yxy(67.5945, 0.3504, 0.3869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCD9A6
RGB	220, 217, 166
RGB Percent	86%, 85%, 65%
CMY	0.1371, 0.1490, 0.3490
CMYK	0.00, 0.01, 0.25, 0.14
HSL	57°, 44%, 76%
HSV	57°, 25%, 86%
XYZ	61.2177, 67.5945, 45.8958
YIQ	212.0830, 18.1590, -15.2250

# Conversions

## Conversions Part 2

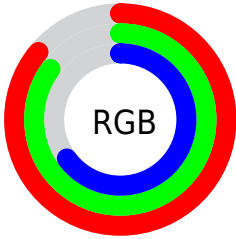
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 220, 166
Decimal	14473638
CIELab	85.80, -7.01, 25.57
CIELCh	86, 26.509, 105.327
Yxy	67.5945, 0.3504, 0.3869
Android (android.graphics.Color)	4292663718 (0xFFDCD9A6)
YUV	212.0830, -22.7189, 6.9432
Hunter-Lab	82.2159, -10.9673, 24.4534

# Details

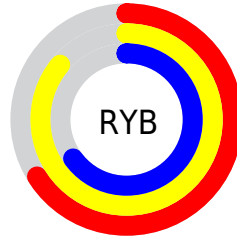
The Yxy color **67.5945, 0.3504, 0.3869** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.6645, 0.2711, 0.2637**, and the grayscale version is **66.0454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **34.9481, 0.3584, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **66.2232, 0.3660, 0.4105**, and if you desaturate by 10%, it is **69.1147, 0.3347, 0.3630**.

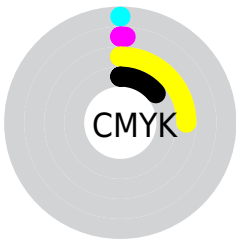
# Distribution



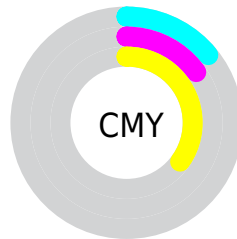
- Red (86%)
- Green (85%)
- Blue (65%)



- Red (66%)
- Yellow (86%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (25%)
- Black (14%)




- Cyan (14%)
- Magenta (15%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5945, 0.3504, 0.3869 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 67.5945, 0.3504, 0.3869 by changing the saturation by 10% instead.




 67.5945, 0.3504,  
0.3869

 67.5945, 0.3504,  
0.3869


452.0580, 0.3331,  
0.3595

 49.5679, 0.3543,  
0.3933


 115.7719, 0.3444,  
0.3773

 35.0702, 0.3590,  
0.4012


 146.6914, 0.3421,  
0.3736

 23.7170, 0.3650,  
0.4113


182.6774, 0.3401,  
0.3704

 15.1238, 0.3725,  
0.4245

224.1143, 0.3383,  
0.3676

 8.9063, 0.3822,  
0.4425

271.3864, 0.3368,  
0.3652

 4.6801, 0.3950,  
0.4681

324.8781, 0.3354,

 2.0608, 0.4345,

0.3631

384.9738, 0.3342,  
0.3612

0.5350

0.6425, 0.4063,  
0.5937

0.0000, 0.0000,  
0.0000

67.5945, 0.3504,  
0.3869

67.5945, 0.3504,  
0.3869

66.2232, 0.3660,  
0.4105

69.1147, 0.3347,  
0.3630

64.9848, 0.3811,  
0.4328

70.7814, 0.3194,  
0.3394

63.8746, 0.3949,  
0.4530

72.6037, 0.3049,  
0.3168

62.8841, 0.4070,  
0.4699

74.5873, 0.2913,  
0.2955

■ 62.0040, 0.4166,  
0.4830

■ 75.3094, 0.2907,  
0.2958

■ 61.2230, 0.4237,  
0.4916

■ 75.9728, 0.2908,  
0.2972

■ 60.5279, 0.4280,  
0.4960

■ 76.6411, 0.2908,  
0.2985

■ 60.1733, 0.4296,  
0.4971

■ 77.3142, 0.2909,  
0.2998

■ 77.9921, 0.2909,  
0.3011

# Harmonies

## Analogous

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



67.5945, 0.3722, 0.3742



67.5945, 0.3504, 0.3869



67.5945, 0.3191, 0.3830

# Triad

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



67.5945, 0.3504, 0.3869



67.5945, 0.2519, 0.3018



67.5945, 0.3369, 0.2989

# Complementary

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



67.5945, 0.3504, 0.3869



41.6645, 0.2711, 0.2637

# Split Complementary

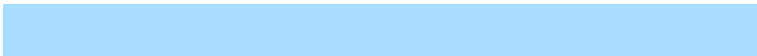
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.5945, 0.3036, 0.2815



67.5945, 0.3504, 0.3869



67.5945, 0.2559, 0.2820

# Square

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



67.5945, 0.3504, 0.3869



67.5945, 0.2630, 0.3313



67.5945, 0.2743, 0.2752



67.5945, 0.3645, 0.3236



# Rectangle

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



67.5945, 0.3504, 0.3869



67.5945, 0.2974, 0.3706



67.5945, 0.2743, 0.2752



67.5945, 0.3259, 0.2921

# Sweetspot

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



67.5975, 0.3504, 0.3869



98.2653, 0.3232, 0.3453



45.3800, 0.3606, 0.3248



21.0019, 0.3241, 0.3467



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.



67.5975, 0.3504, 0.3869



93.4970, 0.3578, 0.3980



65.7745, 0.3317, 0.3938



15.1320, 0.3268, 0.3508



35.3599, 0.4294, 0.4972



2.3298, 0.4276, 0.4987



# Inverse Universe

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



41.6645, 0.2711, 0.2637



51.8328, 0.2620, 0.2491



43.3130, 0.2896, 0.2632



12.7339, 0.2981, 0.3062



3.2440, 0.1511, 0.0637

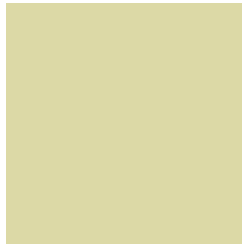


0.2524, 0.1542, 0.0750



# Previews

## White Background



This preview shows how the Yxy color 67.5945, 0.3504, 0.3869 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

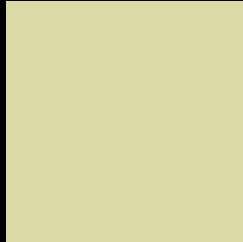
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.5945, 0.3504, 0.3869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

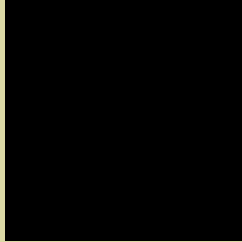
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

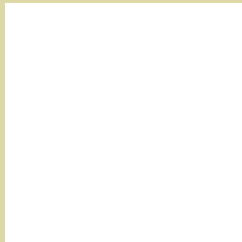
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.5945, 0.3504, 0.3869**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.5945, 0.3504, 0.3869.



This preview shows how white text looks on a background with the Yxy color 67.5945, 0.3504, 0.3869.

# 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

67.5945, 0.3504, 0.3869

### Protanopia

67.4678, 0.3590, 0.3835

### Deuteranopia

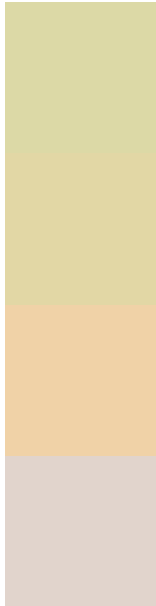
67.4790, 0.3770, 0.3691



## Tritanopia

67.5312, 0.3158, 0.3118

# Trichromacy



## Original Color

67.5945, 0.3504, 0.3869

## Protanomaly

67.4862, 0.3563, 0.3850

## Deuteranomaly

67.4085, 0.3675, 0.3756

## Tritanomaly

67.4542, 0.3281, 0.3379

# Monochromacy



## Original Color

67.5945, 0.3504, 0.3869

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.4803, 0.3266, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.5945, 0.3504, 0.3869 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(220, 217, 166)` looks like.

```
.text, #text, p{  
    color:rgb(220, 217, 166)  
}
```

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(220, 217, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 217, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 67.5945, 0.3504, 0.3869 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(220, 217, 166) }
```

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

```
.border{ border-color:rgb(220, 217, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 217, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 217, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 217, 166);  
box-shadow:4px 4px 4px 4px rgb(220, 217,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.5945, 0.3504, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 217, 166) }
```

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

```
.background{ background-color: rgb(220,  
217, 166) }
```

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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