

# Converting Colors

Yxy(66.9630, 0.3593, 0.4009)

Have a look what the booklet for  
Yxy(66.9630, 0.3593, 0.4009)  
contains.

<b>Yxy(67.1413, 0.3594, 0.4017)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.1413, 0.3594, 0.4017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCD999
RGB	220, 217, 153
RGB Percent	86%, 85%, 60%
CMY	0.1374, 0.1490, 0.4000
CMYK	0.00, 0.01, 0.30, 0.14
HSL	57°, 49%, 73%
HSV	57°, 30%, 86%
XYZ	60.0712, 67.1413, 39.9304
YIQ	210.6010, 22.3320, -19.2680

# Conversions

## Conversions Part 2

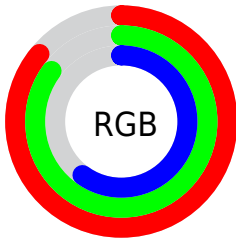
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 220, 153
Decimal	14473625
CIELab	85.58, -8.74, 31.97
CIELCh	86, 33.145, 105.283
Yxy	67.1413, 0.3594, 0.4017
Android (android.graphics.Color)	4292663705 (0xFFD999)
YUV	210.6010, -28.3973, 8.2429
Hunter-Lab	81.9398, -12.5339, 28.4650

# Details

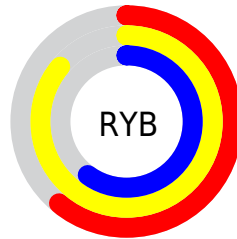
The Yxy color **67.1413, 0.3594, 0.4017** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.7010, 0.2594, 0.2442**, and the grayscale version is **65.0434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **34.6728, 0.3700, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **65.9841, 0.3746, 0.4249**, and if you desaturate by 10%, it is **68.4415, 0.3438, 0.3776**.

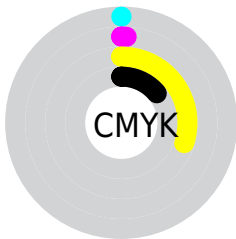
# Distribution



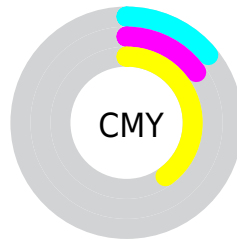
- Red (86%)
- Green (85%)
- Blue (60%)



- Red (61%)
- Yellow (86%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (30%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1413, 0.3594, 0.4017 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 67.1413, 0.3594, 0.4017 by changing the saturation by 10% instead.



67.1413, 0.3594,  
0.4017

67.1413, 0.3594,  
0.4017

450.4476, 0.3381,  
0.3673

49.1995, 0.3641,  
0.4097

115.1229, 0.3521,  
0.3896

34.7777, 0.3698,  
0.4195

145.9314, 0.3493,  
0.3850

23.4917, 0.3767,  
0.4320

181.7976, 0.3468,  
0.3810

14.9570, 0.3853,  
0.4482

223.1058, 0.3446,  
0.3775

8.7892, 0.3959,  
0.4698

270.2406, 0.3427,  
0.3745

4.6040, 0.4086,  
0.4995

323.5862, 0.3410,

2.0168, 0.4379,

0.3718

0.5621

383.5270, 0.3395,  
0.3694

0.6172, 0.3769,  
0.6231

0.0000, 0.0000,  
0.0000

67.1413, 0.3594,  
0.4017

67.1413, 0.3594,  
0.4017

65.9841, 0.3746,  
0.4249

68.4415, 0.3438,  
0.3776

64.9534, 0.3887,  
0.4462


69.8824, 0.3283,  
0.3535


64.0442, 0.4013,  
0.4647


71.4734, 0.3134,  
0.3300


63.2475, 0.4116,  
0.4796


73.2205, 0.2992,  
0.3076

 62.5528, 0.4194,  
0.4902


 74.6040, 0.2906,  
0.2944

 61.9481, 0.4245,  
0.4964

 75.1209, 0.2907,  
0.2955

 61.4337, 0.4273,  
0.4989

 75.6407, 0.2907,  
0.2965

 76.1634, 0.2907,  
0.2975

 76.6892, 0.2908,  
0.2986

# Harmonies

## Analogous

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



67.1413, 0.3871, 0.3846



67.1413, 0.3594, 0.4017



67.1413, 0.3202, 0.3977

# Triad

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



67.1413, 0.3594, 0.4017



67.1413, 0.2375, 0.2944



67.1413, 0.3427, 0.2917

# Complementary

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



67.1413, 0.3594, 0.4017



35.7010, 0.2594, 0.2442

# Split Complementary

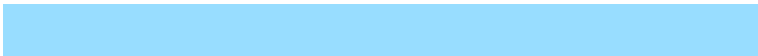
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1413, 0.3009, 0.2705



67.1413, 0.3594, 0.4017



67.1413, 0.2424, 0.2703

# Square

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



67.1413, 0.3594, 0.4017



67.1413, 0.2509, 0.3314



67.1413, 0.2648, 0.2625



67.1413, 0.3778, 0.3217



# Rectangle

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



67.1413, 0.3594, 0.4017



67.1413, 0.2932, 0.3820



67.1413, 0.2648, 0.2625



67.1413, 0.3288, 0.2834

# Sweetspot

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



67.1443, 0.3594, 0.4017



97.9645, 0.3262, 0.3503



40.4064, 0.3776, 0.3252



20.9015, 0.3285, 0.3538



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.



67.1443, 0.3594, 0.4017



92.7127, 0.3699, 0.4178



64.3967, 0.3352, 0.4109



15.1602, 0.3268, 0.3511



36.1104, 0.4272, 0.4990



2.3705, 0.4258, 0.5001



# Inverse Universe

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



35.7010, 0.2594, 0.2442



41.6040, 0.2453, 0.2214



38.0331, 0.2837, 0.2460



12.7088, 0.2981, 0.3059



3.1988, 0.1508, 0.0629

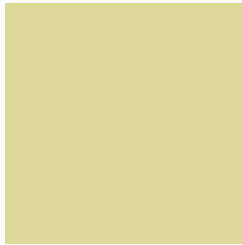


0.2404, 0.1533, 0.0718



# Previews

## White Background



This preview shows how the Yxy color 67.1413, 0.3594, 0.4017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

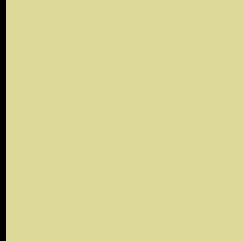
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1413, 0.3594, 0.4017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

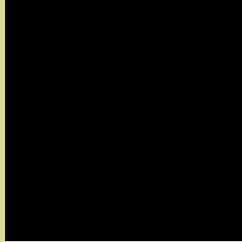
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.1413, 0.3594, 0.4017**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1413, 0.3594, 0.4017.



This preview shows how white text looks on a background with the Yxy color 67.1413, 0.3594, 0.4017.

# 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

67.1413, 0.3594, 0.4017

### Protanopia

67.1831, 0.3691, 0.3977

### Deuteranopia

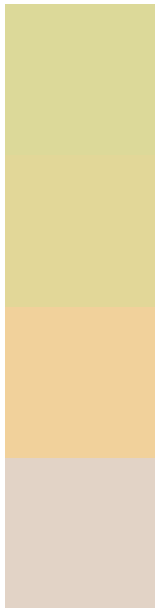
66.9456, 0.3882, 0.3802



## Tritanopia

67.1516, 0.3173, 0.3118

# Trichromacy



## Original Color

67.1413, 0.3594, 0.4017

## Protanomaly

67.0366, 0.3655, 0.3995

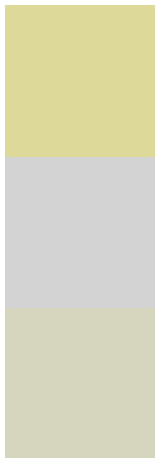
## Deuteranomaly

66.6683, 0.3776, 0.3873

## Tritanomaly

66.8345, 0.3333, 0.3435

# Monochromacy



## Original Color

67.1413, 0.3594, 0.4017

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.6023, 0.3295, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1413, 0.3594, 0.4017 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(220, 217, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 217, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1413, 0.3594, 0.4017 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, 153) }
```

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

```
.border{ border-color:rgb(220, 217, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 217, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 217, 153);  
box-shadow:4px 4px 4px 4px rgb(220, 217,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1413, 0.3594, 0.4017 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, 153) }
```

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

```
.background{ background-color: rgb(220,  
217, 153) }
```

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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