

# Converting Colors

Yxy(67.3728, 0.3611, 0.4074)

Have a look what the booklet for  
Yxy(67.3728, 0.3611, 0.4074)  
contains.

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# Color

**Yxy(67.3728, 0.3611, 0.4074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDA95
RGB	219, 218, 149
RGB Percent	86%, 85%, 58%
CMY	0.1410, 0.1451, 0.4157
CMYK	0.00, 0.00, 0.32, 0.14
HSL	59°, 49%, 72%
HSV	59°, 32%, 86%
XYZ	59.7160, 67.3728, 38.2838
YIQ	210.4330, 22.7450, -21.2470

# Conversions

## Conversions Part 2

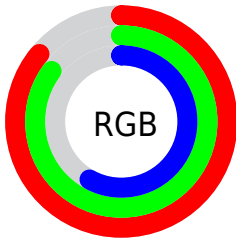
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	150, 219, 149
Decimal	14408341
CIE <sub>Lab</sub>	85.69, -10.09, 34.17
CIE <sub>LCh</sub>	86, 35.627, 106.446
Y <sub>xy</sub>	67.3728, 0.3611, 0.4074
Android (android.graphics.Color)	4292598421 (0xFFDBDA95)
YUV	210.4330, -30.2865, 7.5133
Hunter-Lab	82.0809, -13.7782, 29.8029

# Details

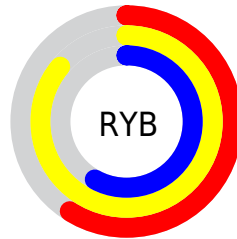
The Yxy color **67.3728, 0.3611, 0.4074** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.3244, 0.2560, 0.2364**, and the grayscale version is **64.9438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **34.8440, 0.3719, 0.4268** is the 20% darker color. If you saturate the color by 10%, you get **66.5728, 0.3757, 0.4308**, and if you desaturate by 10%, it is **68.3107, 0.3459, 0.3828**.

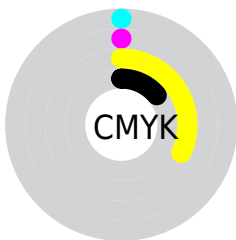
# Distribution



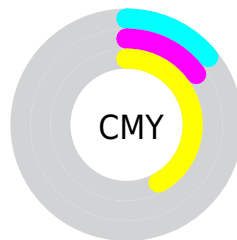
- Red (86%)
- Green (85%)
- Blue (58%)



- Red (59%)
- Yellow (86%)
- Blue (58%)



- Cyan (0%)
- Magenta (0%)
- Yellow (32%)
- Black (14%)



- Cyan (14%)
- Magenta (15%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3728, 0.3611, 0.4074 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 67.3728, 0.3611, 0.4074 by changing the saturation by 10% instead.



67.3728, 0.3611,  
0.4074

67.3728, 0.3611,  
0.4074

451.2706, 0.3392,  
0.3702

49.3877, 0.3659,  
0.4160

115.4544, 0.3537,  
0.3944

34.9271, 0.3716,  
0.4266

146.3197, 0.3507,  
0.3894

23.6067, 0.3786,  
0.4400

182.2471, 0.3481,  
0.3851

15.0421, 0.3870,  
0.4573

223.6211, 0.3459,  
0.3813

8.8490, 0.3972,  
0.4802

270.8261, 0.3439,  
0.3780

4.6428, 0.4095,  
0.5124

324.2464, 0.3422,

2.0392, 0.4302,

0.3751

0.5698

384.2664, 0.3406,  
0.3726

0.6301, 0.3589,  
0.6411

0.0000, 0.0000,  
0.0000

67.3728, 0.3611,  
0.4074

67.3728, 0.3611,  
0.4074

66.5728, 0.3757,  
0.4308

68.3107, 0.3459,  
0.3828

65.8943, 0.3890,  
0.4522

69.3843, 0.3306,  
0.3580

65.3322, 0.4005,  
0.4705

70.6030, 0.3156,  
0.3337

64.8773, 0.4097,  
0.4849

71.9727, 0.3013,  
0.3104

■ 64.5193, 0.4163,  
0.4951

■ 73.2713, 0.2900,  
0.2920

■ 64.2456, 0.4202,  
0.5009

■ 73.4413, 0.2900,  
0.2923

■ 64.0702, 0.4219,  
0.5032

■ 73.6116, 0.2900,  
0.2927

■ 73.7822, 0.2900,  
0.2930

■ 73.9531, 0.2900,  
0.2934

# Harmonies

## Analogous

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



67.3728, 0.3916, 0.3893



67.3728, 0.3611, 0.4074



67.3728, 0.3188, 0.4025

# Triad

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



67.3728, 0.3611, 0.4074



67.3728, 0.2322, 0.2904



67.3728, 0.3465, 0.2902

# Complementary

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



67.3728, 0.3611, 0.4074



33.3244, 0.2560, 0.2364

# Split Complementary

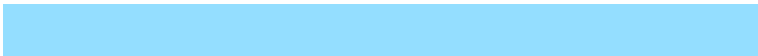
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.3728, 0.3016, 0.2673



67.3728, 0.3611, 0.4074



67.3728, 0.2382, 0.2655

# Square

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



67.3728, 0.3611, 0.4074



67.3728, 0.2457, 0.3297



67.3728, 0.2626, 0.2581



67.3728, 0.3838, 0.3224



# Rectangle

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



67.3728, 0.3611, 0.4074



67.3728, 0.2900, 0.3849



67.3728, 0.2626, 0.2581



67.3728, 0.3317, 0.2813

# Sweetspot

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



67.3758, 0.3611, 0.4074



98.2245, 0.3277, 0.3534



38.7626, 0.3847, 0.3278



20.9743, 0.3299, 0.3569



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.



67.3758, 0.3611, 0.4074



94.3403, 0.3705, 0.4225



63.1864, 0.3344, 0.4158



15.2291, 0.3267, 0.3518



37.9928, 0.4219, 0.5032



2.4722, 0.4214, 0.5036



# Inverse Universe

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



33.3244, 0.2560, 0.2364



39.4797, 0.2427, 0.2145



36.6546, 0.2839, 0.2419



12.6479, 0.2981, 0.3052



3.0884, 0.1503, 0.0610



0.2112, 0.1511, 0.0640



# Previews

## White Background



This preview shows how the Yxy color 67.3728, 0.3611, 0.4074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

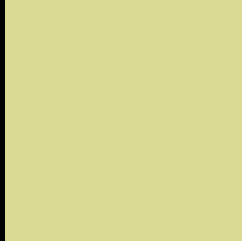
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.3728, 0.3611, 0.4074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

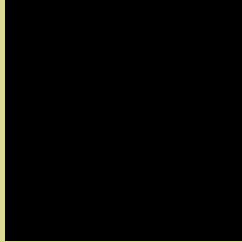
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

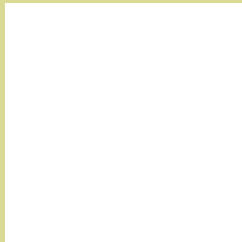
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.3728, 0.3611, 0.4074**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3728, 0.3611, 0.4074.



This preview shows how white text looks on a background with the Yxy color 67.3728, 0.3611, 0.4074.

# 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

67.3728, 0.3611, 0.4074

### Protanopia

67.3555, 0.3742, 0.4027

### Deuteranopia

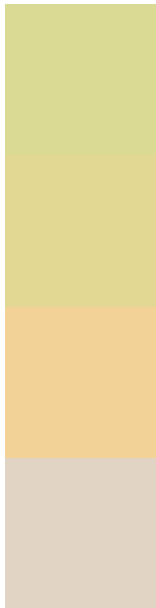
67.1896, 0.3928, 0.3840



## Tritanopia

67.0420, 0.3158, 0.3107

# Trichromacy



**Original Color**

67.3728, 0.3611, 0.4074

**Protanomaly**

67.0699, 0.3691, 0.4037

**Deuteranomaly**

67.2048, 0.3810, 0.3924

**Tritanomaly**

67.1257, 0.3331, 0.3457

# Monochromacy



**Original Color**

67.3728, 0.3611, 0.4074

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

65.3655, 0.3301, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3728, 0.3611, 0.4074 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(219, 218, 149)` looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 149)  
}
```

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(219, 218, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3728, 0.3611, 0.4074 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(219, 218, 149) }
```

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

```
.border{ border-color:rgb(219, 218, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 218, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 149);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3728, 0.3611, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 149) }
```

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

```
.background{ background-color: rgb(219,  
218, 149) }
```

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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