

# Converting Colors

$Yxy(67.5690, 0.3612, 0.3914)$

Have a look what the booklet for  
Yxy(67.5690, 0.3612, 0.3914)  
contains.

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# Color

**Yxy(67.4350, 0.3614, 0.3916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D79F
RGB	227, 215, 159
RGB Percent	89%, 84%, 62%
CMY	0.1098, 0.1568, 0.3765
CMYK	0.00, 0.05, 0.30, 0.11
HSL	49°, 55%, 76%
HSV	49°, 30%, 89%
XYZ	62.2344, 67.4350, 42.5343
YIQ	212.2040, 25.1280, -14.8720

# Conversions

## Conversions Part 2

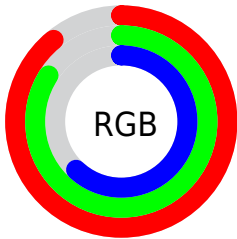
Format	Color
<b>RYB</b>	174, 227, 159
Decimal	14931871
CIELab	85.72, -4.28, 29.18
CIELCh	86, 29.494, 98.352
Yxy	67.4350, 0.3614, 0.3916
Android (android.graphics.Color)	4293121951 (0xFFE3D79F)
YUV	212.2040, -26.2296, 12.9761
Hunter-Lab	82.1188, -8.4302, 26.7733

# Details

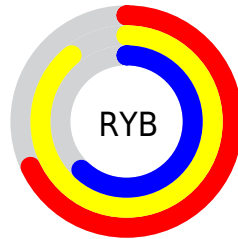
The Yxy color **67.4350, 0.3614, 0.3916** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.0335, 0.2616, 0.2574**, and the grayscale version is **66.1471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **34.8611, 0.3730, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **64.7086, 0.3788, 0.4124**, and if you desaturate by 10%, it is **70.3620, 0.3443, 0.3703**.

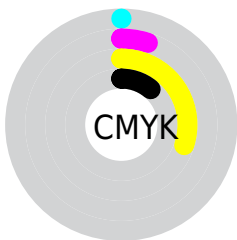
# Distribution



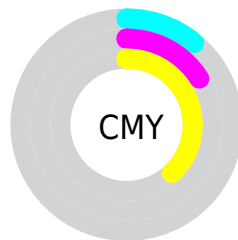
- Red (89%)
- Green (84%)
- Blue (62%)



- Red (68%)
- Yellow (89%)
- Blue (62%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (11%)



- Cyan (11%)
- Magenta (16%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4350, 0.3614, 0.3916 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 67.4350, 0.3614, 0.3916 by changing the saturation by 10% instead.



67.4350, 0.3614,  
0.3916

67.4350, 0.3614,  
0.3916

451.4916, 0.3389,  
0.3622

49.4382, 0.3664,  
0.3983

115.5435, 0.3537,  
0.3814

34.9672, 0.3726,  
0.4067

146.4240, 0.3506,  
0.3774

23.6376, 0.3803,  
0.4172

182.3679, 0.3480,  
0.3740

15.0650, 0.3899,  
0.4307

223.7595, 0.3457,  
0.3710

8.8650, 0.4024,  
0.4488

270.9833, 0.3437,  
0.3684

4.6533, 0.4185,  
0.4733

324.4237, 0.3419,

2.0453, 0.4635,

0.3661

0.5365

384.4650, 0.3404,  
0.3640

■ 0.6336, 0.4399,  
0.5601

■ 0.0000, 0.0000,  
0.0000

■ 67.4350, 0.3614,  
0.3916

■ 67.4350, 0.3614,  
0.3916

■ 64.7086, 0.3788,  
0.4124

■ 70.3620, 0.3443,  
0.3703

■ 62.1653, 0.3960,  
0.4318

■ 73.4882, 0.3280,  
0.3492

■ 59.7993, 0.4122,  
0.4488

■ 76.8238, 0.3126,  
0.3289

■ 57.6004, 0.4267,  
0.4624

■ 80.3754, 0.2985,  
0.3097

■ 55.5572, 0.4388,  
0.4718

■ 82.9712, 0.2955,  
0.3086

■ 53.6562, 0.4481,  
0.4765

■ 85.2877, 0.2955,  
0.3127

■ 51.8743, 0.4548,  
0.4771

■ 87.6559, 0.2956,  
0.3168

■ 51.8665, 0.4548,  
0.4771

■ 90.0764, 0.2957,  
0.3209

■ 92.5493, 0.2957,  
0.3250

# Harmonies

## Analogous

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



67.4350, 0.3822, 0.3736



67.4350, 0.3614, 0.3916



67.4350, 0.3281, 0.3924

# Triad

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



67.4350, 0.3614, 0.3916



67.4350, 0.2467, 0.3054



67.4350, 0.3310, 0.2903

# Complementary

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



67.4350, 0.3614, 0.3916



42.0335, 0.2616, 0.2574

# Split Complementary

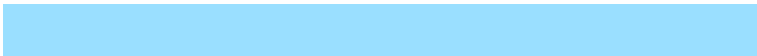
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.4350, 0.2941, 0.2737



67.4350, 0.3614, 0.3916



67.4350, 0.2473, 0.2805

# Square

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



67.4350, 0.3614, 0.3916



67.4350, 0.2626, 0.3397



67.4350, 0.2640, 0.2698



67.4350, 0.3644, 0.3160



# Rectangle

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



67.4350, 0.3614, 0.3916



67.4350, 0.3038, 0.3814



67.4350, 0.2640, 0.2698



67.4350, 0.3185, 0.2836

# Sweetspot

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



67.4381, 0.3614, 0.3916



96.0558, 0.3266, 0.3474



44.0823, 0.3674, 0.3146



20.4280, 0.3289, 0.3504



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.



67.4381, 0.3614, 0.3916



85.5411, 0.3723, 0.4048



70.4809, 0.3416, 0.4079



16.3623, 0.3272, 0.3482



30.4058, 0.4542, 0.4776



2.3607, 0.4482, 0.4823



# Inverse Universe

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



42.0335, 0.2616, 0.2574



47.4191, 0.2495, 0.2395



40.1072, 0.2768, 0.2455



14.2957, 0.2980, 0.3090



4.2384, 0.1545, 0.0763



0.4341, 0.1613, 0.1008



# Previews

## White Background



This preview shows how the Yxy color 67.4350, 0.3614, 0.3916 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 67.4350, 0.3614, 0.3916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

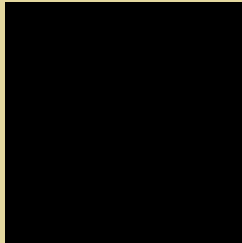
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

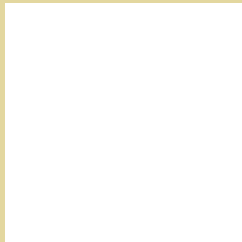
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.4350, 0.3614, 0.3916**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.4350, 0.3614, 0.3916.



This preview shows how white text looks on a background with the Yxy color 67.4350, 0.3614, 0.3916.

# 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

67.4350, 0.3614, 0.3916

### Protanopia

67.4193, 0.3641, 0.3900

### Deuteranopia

67.1185, 0.3843, 0.3751



## Tritanopia

67.6155, 0.3226, 0.3120

# Trichromacy



**Original Color**

67.4350, 0.3614, 0.3916

**Protanomaly**

67.2544, 0.3633, 0.3902

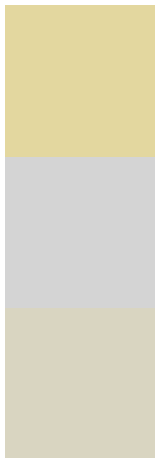
**Deuteranomaly**

67.3721, 0.3763, 0.3815

**Tritanomaly**

67.4191, 0.3366, 0.3400

# Monochromacy



**Original Color**

67.4350, 0.3614, 0.3916

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.1905, 0.3297, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.4350, 0.3614, 0.3916 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(227, 215, 159)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 159)  
}
```

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(227, 215, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 67.4350, 0.3614, 0.3916 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(227, 215, 159) }
```

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

```
.border{ border-color:rgb(227, 215, 159) }
```

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

Here you see how a box with a 4 pixel rgb(227, 215, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 159);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.4350, 0.3614, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 159) }
```

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

```
.background{ background-color: rgb(227,  
215, 159) }
```

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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