

# Converting Colors

$Yxy(65.3318, 0.3924, 0.4350)$

Have a look what the booklet for  
Yxy(65.3318, 0.3924, 0.4350)  
contains.

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# Color

**Yxy(65.3434, 0.3921, 0.4347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4D574
RGB	228, 213, 116
RGB Percent	89%, 84%, 45%
CMY	0.1059, 0.1647, 0.5450
CMYK	0.00, 0.07, 0.49, 0.11
HSL	52°, 67%, 67%
HSV	52°, 49%, 89%
XYZ	58.9398, 65.3434, 26.0351
YIQ	206.4270, 40.0770, -26.9870

# Conversions

## Conversions Part 2

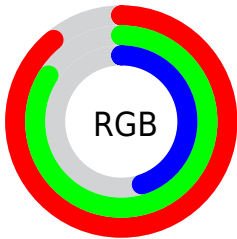
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 228, 116
Decimal	14996852
CIELab	84.66, -7.50, 49.42
CIELCh	85, 49.983, 98.635
Yxy	65.3434, 0.3921, 0.4347
Android (android.graphics.Color)	4293186932 (0xFFE4D574)
YUV	206.4270, -44.5805, 18.9195
Hunter-Lab	80.8353, -11.3111, 37.4888

# Details

The Yxy color **65.3434, 0.3921, 0.4347** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **25.5487, 0.2227, 0.1941**, and the grayscale version is **62.2837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **33.7125, 0.4074, 0.4593** is the 20% darker color. If you saturate the color by 10%, you get **63.3590, 0.4072, 0.4525**, and if you desaturate by 10%, it is **67.4929, 0.3758, 0.4144**.

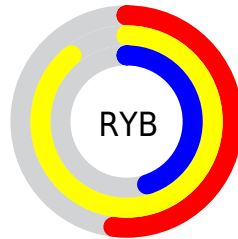
# Distribution



Red (89%)

Green (84%)

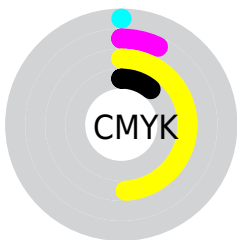
Blue (45%)



Red (52%)

Yellow (89%)

Blue (45%)

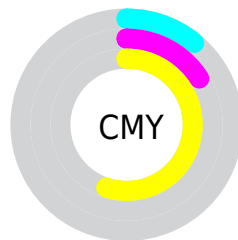


Cyan (0%)

Magenta (7%)

Yellow (49%)

Black (11%)



Cyan (11%)

Magenta (16%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3434, 0.3921, 0.4347 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 65.3434, 0.3921, 0.4347 by changing the saturation by 10% instead.



 65.3434, 0.3921,  
0.4347


 65.3434, 0.3921,  
0.4347


444.0250, 0.3567,  
0.3857

 47.7396, 0.3995,  
0.4454


 112.5434, 0.3803,  
0.4180

 33.6207, 0.4080,  
0.4583


 142.9084, 0.3756,  
0.4114

 22.6024, 0.4179,  
0.4738


 178.2959, 0.3714,  
0.4056

 14.3002, 0.4289,  
0.4924

219.0903, 0.3677,  
0.4006

 8.3297, 0.4405,  
0.5148

265.6760, 0.3645,  
0.3962

 4.3067, 0.4546,  
0.5454

318.4375, 0.3616,

 1.8465, 0.4437,

0.3923

0.5563

377.7590, 0.3590,  
0.3888

0.5159, 0.3732,  
0.6268

0.0000, 0.0000,  
0.0000

65.3434, 0.3921,  
0.4347

65.3434, 0.3921,  
0.4347

63.3590, 0.4072,  
0.4525

67.4929, 0.3758,  
0.4144

61.5208, 0.4205,  
0.4670

69.8073, 0.3591,  
0.3927

59.8206, 0.4314,  
0.4772

72.2977, 0.3425,  
0.3705


58.2452, 0.4395,  
0.4829


74.9717, 0.3265,  
0.3484


 56.7739, 0.4450,  
0.4845


 77.8362, 0.3114,  
0.3272

 56.6457, 0.4454,  
0.4846

 80.8979, 0.2973,  
0.3070

 82.7632, 0.2961,  
0.3080

 84.5186, 0.2961,  
0.3111

 86.3041, 0.2962,  
0.3143

# Harmonies

## Analogous

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



65.3434, 0.4298, 0.3997



65.3434, 0.3921, 0.4347



65.3434, 0.3352, 0.4412

# Triad

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



65.3434, 0.3921, 0.4347



65.3434, 0.2044, 0.2854



65.3434, 0.3433, 0.2660

# Complementary

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



65.3434, 0.3921, 0.4347



25.5487, 0.2227, 0.1941

# 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.



65.3434, 0.2806, 0.2397



65.3434, 0.3921, 0.4347



65.3434, 0.2060, 0.2465

# Square

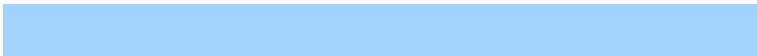
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.3434, 0.3921, 0.4347



65.3434, 0.2282, 0.3451



65.3434, 0.2322, 0.2320



65.3434, 0.4021, 0.3061



# Rectangle

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



65.3434, 0.3921, 0.4347



65.3434, 0.2945, 0.4227



65.3434, 0.2322, 0.2320



65.3434, 0.3217, 0.2554

# Sweetspot

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



65.3464, 0.3921, 0.4347



94.5550, 0.3360, 0.3615



30.6765, 0.4291, 0.3100



20.0844, 0.3395, 0.3662



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.



65.3464, 0.3921, 0.4347



81.6137, 0.4076, 0.4530



67.5353, 0.3545, 0.4619



16.4709, 0.3271, 0.3492



32.8401, 0.4449, 0.4849



2.5184, 0.4406, 0.4883



# Inverse Universe

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



25.5487, 0.2227, 0.1941



24.7821, 0.2025, 0.1613



25.0862, 0.2498, 0.1854



14.1964, 0.2980, 0.3080



3.8829, 0.1530, 0.0706



0.3871, 0.1588, 0.0915



# Previews

## White Background



This preview shows how the Yxy color 65.3434, 0.3921, 0.4347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

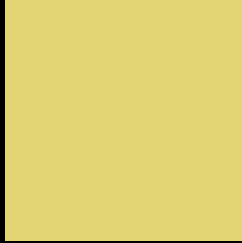
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3434, 0.3921, 0.4347 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 65.3434, 0.3921, 0.4347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3434, 0.3921, 0.4347.



This preview shows how white text looks on a background with the Yxy color 65.3434, 0.3921, 0.4347.

# 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

65.3434, 0.3921, 0.4347

### Protanopia

65.1500, 0.3979, 0.4321

### Deuteranopia

65.0596, 0.4120, 0.4046



## Tritanopia

64.9602, 0.3298, 0.3120

# Trichromacy



## Original Color

65.3434, 0.3921, 0.4347

## Protanomaly

65.3137, 0.3957, 0.4337

## Deuteranomaly

65.0103, 0.4045, 0.4150

## Tritanomaly

64.4504, 0.3542, 0.3567

# Monochromacy



## Original Color

65.3434, 0.3921, 0.4347

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.9142, 0.3424, 0.3709

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3434, 0.3921, 0.4347 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(228, 213, 116)` looks like.

```
.text, #text, p{  
    color:rgb(228, 213, 116)  
}
```

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(228, 213, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 213, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3434, 0.3921, 0.4347 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(228, 213, 116) }
```

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

```
.border{ border-color:rgb(228, 213, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 213, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 213, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 213, 116);  
box-shadow:4px 4px 4px 4px rgb(228, 213,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3434, 0.3921, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 213, 116) }
```

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

```
.background{ background-color: rgb(228,  
213, 116) }
```

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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