

# Converting Colors

$Yxy(63.3089, 0.3965, 0.4136)$

Have a look what the booklet for  
Yxy(63.3089, 0.3965, 0.4136)  
contains.

<b>Yxy(63.1995, 0.3963, 0.4134)</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(63.1995, 0.3963, 0.4134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDCD7F
RGB	237, 205, 127
RGB Percent	93%, 80%, 50%
CMY	0.0706, 0.1960, 0.5019
CMYK	0.00, 0.13, 0.46, 0.07
HSL	43°, 75%, 71%
HSV	43°, 46%, 93%
XYZ	60.5853, 63.1995, 29.0926
YIQ	205.6760, 44.1100, -17.4740

# Conversions

## Conversions Part 2

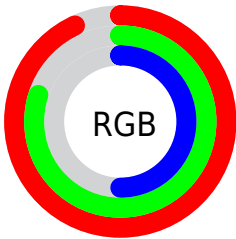
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 237, 127
Decimal	15584639
CIELab	83.55, 1.23, 42.82
CIElCh	84, 42.834, 88.361
Yxy	63.1995, 0.3963, 0.4134
Android (android.graphics.Color)	4293774719 (0xFFEDCD7F)
YUV	205.6760, -38.7873, 27.4711
Hunter-Lab	79.4981, -3.0873, 33.9513

# Details

The Yxy color **63.1995, 0.3963, 0.4134** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **35.4256, 0.2323, 0.2258**, and the grayscale version is **61.7372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **32.2387, 0.4149, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **59.4301, 0.4163, 0.4294**, and if you desaturate by 10%, it is **67.2654, 0.3764, 0.3956**.

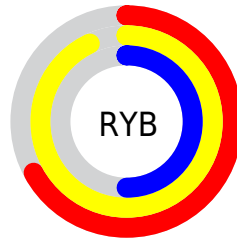
# Distribution



Red (93%)

Green (80%)

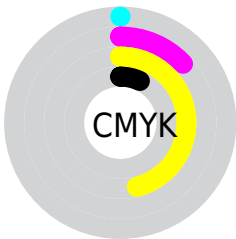
Blue (50%)



Red (67%)

Yellow (93%)

Blue (50%)

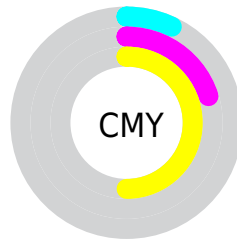


Cyan (0%)

Magenta (13%)

Yellow (46%)

Black (7%)



Cyan (7%)

Magenta (20%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1995, 0.3963, 0.4134 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 63.1995, 0.3963, 0.4134 by changing the saturation by 10% instead.




 63.1995, 0.3963,  
0.4134


 63.1995, 0.3963,  
0.4134


436.2932, 0.3577,  
0.3746


 46.0026, 0.4048,  
0.4219


 109.4573, 0.3831,  
0.4002

 32.2479, 0.4150,  
0.4320


 139.2870, 0.3779,  
0.3950

 21.5509, 0.4273,  
0.4441


 174.0964, 0.3734,  
0.3905

 13.5273, 0.4423,  
0.4587

214.2699, 0.3694,  
0.3865

 7.7926, 0.4600,  
0.4757

260.1920, 0.3660,  
0.3830

 3.9625, 0.4927,  
0.5073

312.2469, 0.3629,

 1.6526, 0.4945,

0.3799

0.5055

370.8192, 0.3602,  
0.3771

0.3927, 0.5066,  
0.4934

0.0000, 0.0000,  
0.0000

63.1995, 0.3963,  
0.4134

63.1995, 0.3963,  
0.4134

59.4301, 0.4163,  
0.4294

67.2654, 0.3764,  
0.3956

55.9362, 0.4355,  
0.4426

71.6300, 0.3572,  
0.3770

52.7070, 0.4529,  
0.4518


76.3067, 0.3392,  
0.3583

49.7271, 0.4678,  
0.4561


81.3052, 0.3226,  
0.3402

 46.9772, 0.4795,  
0.4555

 86.6345, 0.3074,  
0.3229

 46.0329, 0.4832,  
0.4545

 91.3534, 0.3018,  
0.3204

 95.6323, 0.3017,  
0.3273

 96.7423, 0.3017,  
0.3290

# Harmonies

## Analogous

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



63.1995, 0.4197, 0.3789



63.1995, 0.3963, 0.4134



63.1995, 0.3512, 0.4275

# Triad

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



63.1995, 0.3963, 0.4134



63.1995, 0.2223, 0.3082



63.1995, 0.3204, 0.2639

# Complementary

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



63.1995, 0.3963, 0.4134



35.4256, 0.2323, 0.2258

# 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.



63.1995, 0.2685, 0.2459



63.1995, 0.3963, 0.4134



63.1995, 0.2157, 0.2667

# Square

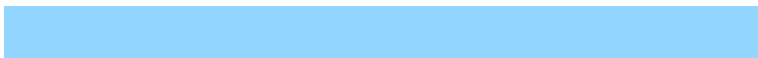
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1995, 0.3963, 0.4134



63.1995, 0.2513, 0.3624



63.1995, 0.2317, 0.2459



63.1995, 0.3744, 0.2962



# Rectangle

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



63.1995, 0.3963, 0.4134



63.1995, 0.3158, 0.4192



63.1995, 0.2317, 0.2459



63.1995, 0.3021, 0.2561

# Sweetspot

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



63.2025, 0.3963, 0.4134



91.4642, 0.3352, 0.3540



35.7265, 0.3999, 0.2924



19.3101, 0.3389, 0.3580



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.



63.2025, 0.3963, 0.4134



70.2607, 0.4159, 0.4292



76.5402, 0.3649, 0.4495



16.8440, 0.3275, 0.3456



25.3724, 0.4819, 0.4556



2.1566, 0.4712, 0.4641



# Inverse Universe

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



35.4256, 0.2323, 0.2258



33.6993, 0.2144, 0.1992



27.6907, 0.2407, 0.1889



15.2626, 0.2980, 0.3118



5.8528, 0.1605, 0.0978



0.6202, 0.1680, 0.1249



# Previews

## White Background



This preview shows how the Yxy color 63.1995, 0.3963, 0.4134 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

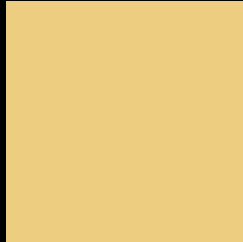
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1995, 0.3963, 0.4134 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 63.1995, 0.3963, 0.4134**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.1995, 0.3963, 0.4134.



This preview shows how white text looks on a background with the Yxy color 63.1995, 0.3963, 0.4134.

# 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

63.1995, 0.3963, 0.4134

### Protanopia

63.0012, 0.3859, 0.4182

### Deuteranopia

63.1008, 0.4112, 0.4025



## Tritanopia

63.0958, 0.3416, 0.3132

# Trichromacy



## Original Color

63.1995, 0.3963, 0.4134

## Protanomaly

63.1731, 0.3897, 0.4161

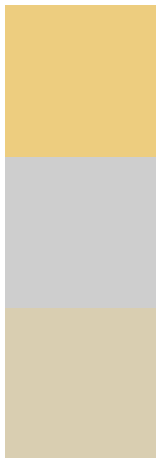
## Deuteranomaly

63.1060, 0.4060, 0.4058

## Tritanomaly

63.0194, 0.3623, 0.3497

# Monochromacy



## Original Color

63.1995, 0.3963, 0.4134

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.0687, 0.3425, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1995, 0.3963, 0.4134 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(237, 205, 127)` looks like.

```
.text, #text, p{  
    color:rgb(237, 205, 127)  
}
```

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(237, 205, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 205, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1995, 0.3963, 0.4134 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(237, 205, 127) }
```

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

```
.border{ border-color:rgb(237, 205, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 205, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 205, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 205, 127);  
box-shadow:4px 4px 4px 4px rgb(237, 205,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1995, 0.3963, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 205, 127) }
```

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

```
.background{ background-color: rgb(237,  
205, 127) }
```

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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