

# Converting Colors

Yxy(64.2546, 0.3945, 0.4189)

Have a look what the booklet for  
Yxy(64.2546, 0.3945, 0.4189)  
contains.

<b>Yxy(64.2546, 0.3945, 0.4189)</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(64.2546, 0.3945, 0.4189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD07D
RGB	235, 208, 125
RGB Percent	92%, 82%, 49%
CMY	0.0786, 0.1843, 0.5097
CMYK	0.00, 0.11, 0.47, 0.08
HSL	45°, 73%, 71%
HSV	45°, 47%, 92%
XYZ	60.5119, 64.2546, 28.6224
YIQ	206.6110, 42.7350, -20.0890

# Conversions

## Conversions Part 2

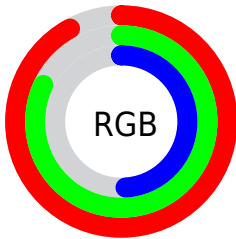
Format	Color
<b>RYB</b>	161, 235, 125
Decimal	15454333
CIELab	84.10, -1.32, 44.46
CIELCh	84, 44.484, 91.705
Yxy	64.2546, 0.3945, 0.4189
Android (android.graphics.Color)	4293644413 (0xFFEBD07D)
YUV	206.6110, -40.2342, 24.8972
Hunter-Lab	80.1590, -5.5287, 34.9406

# Details

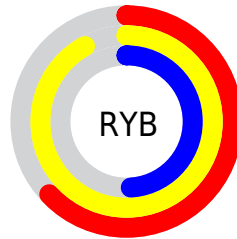
The Yxy color **64.2546, 0.3945, 0.4189** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.8069, 0.2303, 0.2179**, and the grayscale version is **62.3775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **32.9527, 0.4118, 0.4389** is the 20% darker color. If you saturate the color by 10%, you get **60.9680, 0.4131, 0.4357**, and if you desaturate by 10%, it is **67.7913, 0.3756, 0.4002**.

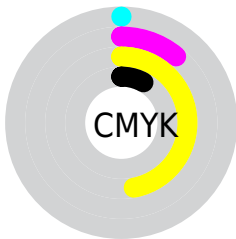
# Distribution



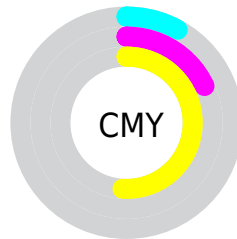
- Red (92%)
- Green (82%)
- Blue (49%)



- Red (63%)
- Yellow (92%)
- Blue (49%)



- Cyan (0%)
- Magenta (11%)
- Yellow (47%)
- Black (8%)




- Cyan (8%)
- Magenta (18%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2546, 0.3945, 0.4189 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 64.2546, 0.3945, 0.4189 by changing the saturation by 10% instead.




 64.2546, 0.3945,  
0.4189


 64.2546, 0.3945,  
0.4189


440.1085, 0.3571,  
0.3775


 46.8569, 0.4026,  
0.4280


 110.9775, 0.3818,  
0.4048

 32.9226, 0.4123,  
0.4388


 141.0715, 0.3768,  
0.3992

 22.0671, 0.4239,  
0.4519


 176.1665, 0.3724,  
0.3944

 13.9062, 0.4377,  
0.4676

216.6467, 0.3686,  
0.3901

 8.0555, 0.4535,  
0.4860

262.8966, 0.3652,  
0.3864

 4.1305, 0.4815,  
0.5185

315.3006, 0.3622,

 1.7468, 0.4796,

0.3831

0.5204

374.2431, 0.3595,  
0.3802

0.4537, 0.4679,  
0.5321

0.0000, 0.0000,  
0.0000

64.2546, 0.3945,  
0.4189

64.2546, 0.3945,  
0.4189

60.9680, 0.4131,  
0.4357

67.7913, 0.3756,  
0.4002

57.9111, 0.4305,  
0.4494


71.5793, 0.3572,  
0.3806

55.0745, 0.4461,  
0.4592


75.6311, 0.3396,  
0.3609

52.4435, 0.4589,  
0.4642


79.9553, 0.3231,  
0.3416

 49.9999, 0.4686,  
0.4644


 84.5604, 0.3080,  
0.3232

 49.2462, 0.4714,  
0.4639

 88.7250, 0.3005,  
0.3166

 92.2190, 0.3005,  
0.3224

 95.8221, 0.3005,  
0.3281

 96.3968, 0.3005,  
0.3290

# Harmonies

## Analogous

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



64.2546, 0.4219, 0.3847



64.2546, 0.3945, 0.4189



64.2546, 0.3463, 0.4306

# Triad

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



64.2546, 0.3945, 0.4189



64.2546, 0.2177, 0.3016



64.2546, 0.3270, 0.2651

# Complementary

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



64.2546, 0.3945, 0.4189



32.8069, 0.2303, 0.2179

# 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.



64.2546, 0.2724, 0.2447



64.2546, 0.3945, 0.4189



64.2546, 0.2136, 0.2612

# Square

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



64.2546, 0.3945, 0.4189



64.2546, 0.2450, 0.3572



64.2546, 0.2325, 0.2424



64.2546, 0.3820, 0.2994



# Rectangle

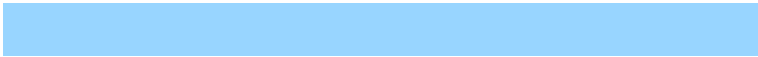
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2546, 0.3945, 0.4189



64.2546, 0.3095, 0.4195



64.2546, 0.2325, 0.2424



64.2546, 0.3079, 0.2565

# Sweetspot

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



64.2576, 0.3945, 0.4189



92.4530, 0.3350, 0.3555



34.6139, 0.4076, 0.2983



19.5524, 0.3386, 0.3598



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.



64.2576, 0.3945, 0.4189



73.6172, 0.4121, 0.4348



74.2148, 0.3612, 0.4523



16.9650, 0.3274, 0.3467



27.6264, 0.4704, 0.4647



2.3181, 0.4618, 0.4715



# Inverse Universe

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



32.8069, 0.2303, 0.2179



31.6097, 0.2126, 0.1908



27.3944, 0.2443, 0.1892



15.1487, 0.2980, 0.3107



5.1683, 0.1578, 0.0881



0.5533, 0.1650, 0.1140



# Previews

## White Background



This preview shows how the Yxy color 64.2546, 0.3945, 0.4189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

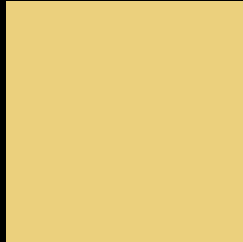
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2546, 0.3945, 0.4189 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 64.2546, 0.3945, 0.4189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2546, 0.3945, 0.4189.



This preview shows how white text looks on a background with the Yxy color 64.2546, 0.3945, 0.4189.

# 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

64.2546, 0.3945, 0.4189

### Protanopia

64.4225, 0.3888, 0.4213

### Deuteranopia

63.9117, 0.4130, 0.4039



## Tritanopia

64.4254, 0.3380, 0.3133

# Trichromacy



## Original Color

64.2546, 0.3945, 0.4189

## Protanomaly

64.2631, 0.3909, 0.4198

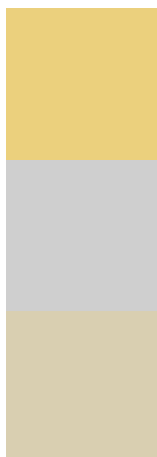
## Deuteranomaly

63.9924, 0.4064, 0.4096

## Tritanomaly

64.2780, 0.3599, 0.3519

# Monochromacy



## Original Color

64.2546, 0.3945, 0.4189

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.5517, 0.3423, 0.3637

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2546, 0.3945, 0.4189 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(235, 208, 125)` looks like.

```
.text, #text, p{  
    color:rgb(235, 208, 125)  
}
```

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(235, 208, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 208, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2546, 0.3945, 0.4189 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(235, 208, 125) }
```

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

```
.border{ border-color:rgb(235, 208, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 208, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 208, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 208, 125);  
box-shadow:4px 4px 4px 4px rgb(235, 208,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2546, 0.3945, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 208, 125) }
```

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

```
.background{ background-color: rgb(235,  
208, 125) }
```

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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