

# Converting Colors

$Yxy(63.3256, 0.3640, 0.3893)$

Have a look what the booklet for  
Yxy(63.3256, 0.3640, 0.3893)  
contains.

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# Color

**Yxy(63.3256, 0.3640, 0.3893)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E0D09B                      |
| RGB         | 224, 208, 155               |
| RGB Percent | 88%, 82%, 61%               |
| CMY         | 0.1217, 0.1843, 0.3920      |
| CMYK        | 0.00, 0.07, 0.31, 0.12      |
| HSL         | 46°, 53%, 74%               |
| HSV         | 46°, 31%, 88%               |
| XYZ         | 59.2102, 63.3256, 40.1295   |
| YIQ         | 206.7420, 26.5490, -13.0910 |

# Conversions

## Conversions Part 2

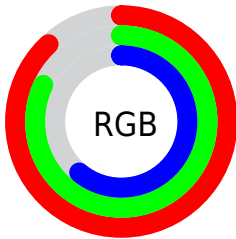
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 176, 224, 155                  |
| Decimal                             | 14733467                       |
| CIE Lab                             | 83.61, -2.34, 28.35            |
| CIE LCh                             | 84, 28.450, 94.719             |
| Yxy                                 | 63.3256, 0.3640,<br>0.3893     |
| Android<br>(android.graphics.Color) | 4292923547<br>(0xFFE0D09B)     |
| YUV                                 | 206.7420, -25.5088,<br>15.1353 |
| Hunter-Lab                          | 79.5774, -6.4461,<br>25.8052   |

# Details

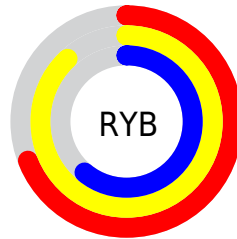
The Yxy color **63.3256, 0.3640, 0.3893** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.4818, 0.2607, 0.2603**, and the grayscale version is **62.3784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **32.4153, 0.3766, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **60.1555, 0.3824, 0.4089**, and if you desaturate by 10%, it is **66.7238, 0.3462, 0.3693**.

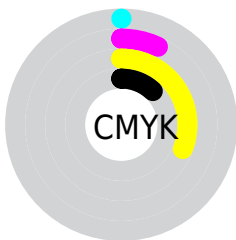
# Distribution



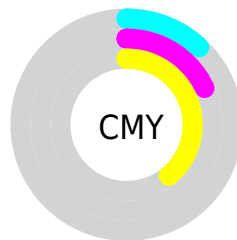
- Red (88%)
- Green (82%)
- Blue (61%)



- Red (69%)
- Yellow (88%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (31%)
- Black (12%)



- Cyan (12%)
- Magenta (18%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3256, 0.3640, 0.3893 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 63.3256, 0.3640, 0.3893 by changing the saturation by 10% instead.





 63.3256, 0.3640,  
0.3893

 63.3256, 0.3640,  
0.3893


436.7502, 0.3400,  
0.3608

 46.1047, 0.3695,  
0.3959


 109.6391, 0.3557,  
0.3793

 32.3284, 0.3762,  
0.4040


 139.5005, 0.3524,  
0.3755

 21.6125, 0.3847,  
0.4143


174.3441, 0.3496,  
0.3722

 13.5724, 0.3955,  
0.4277

214.5544, 0.3472,  
0.3693

 7.8239, 0.4096,  
0.4454

260.5158, 0.3450,  
0.3668

 3.9825, 0.4284,  
0.4697

312.6126, 0.3432,

 1.6638, 0.4734,

0.3645

0.5266

371.2293, 0.3415,  
0.3626

0.4000, 0.4468,  
0.5532

0.0000, 0.0000,  
0.0000

63.3256, 0.3640,  
0.3893

63.3256, 0.3640,  
0.3893

60.1555, 0.3824,  
0.4089

66.7238, 0.3462,  
0.3693

57.1963, 0.4008,  
0.4272

70.3495, 0.3294,  
0.3495

54.4417, 0.4186,  
0.4431

74.2127, 0.3139,  
0.3304

51.8813, 0.4349,  
0.4556

78.3206, 0.2996,  
0.3124

■ 49.5037, 0.4489,  
0.4638

■ 81.8806, 0.2936,  
0.3074

■ 47.2949, 0.4600,  
0.4672

■ 84.8772, 0.2937,  
0.3128

■ 45.3868, 0.4679,  
0.4667

■ 87.9609, 0.2938,  
0.3181

■ 91.1326, 0.2939,  
0.3234

■ 94.3929, 0.2940,  
0.3286

# Harmonies

## Analogous

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



63.3256, 0.3824, 0.3700



63.3256, 0.3640, 0.3893



63.3256, 0.3323, 0.3923

# Triad

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



63.3256, 0.3640, 0.3893



63.3256, 0.2487, 0.3096



63.3256, 0.3263, 0.2883

# Complementary

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



63.3256, 0.3640, 0.3893



41.4818, 0.2607, 0.2603

# 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.



63.3256, 0.2903, 0.2733



63.3256, 0.3640, 0.3893



63.3256, 0.2472, 0.2835

# Square

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



63.3256, 0.3640, 0.3893



63.3256, 0.2663, 0.3438



63.3256, 0.2619, 0.2711



63.3256, 0.3602, 0.3129



# Rectangle

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



63.3256, 0.3640, 0.3893



63.3256, 0.3082, 0.3832



63.3256, 0.2619, 0.2711



63.3256, 0.3140, 0.2821

# Sweetspot

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



63.3285, 0.3640, 0.3893



95.2642, 0.3267, 0.3462



42.2449, 0.3658, 0.3102



20.2319, 0.3290, 0.3490



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.



63.3285, 0.3640, 0.3893



82.1817, 0.3759, 0.4021



68.7312, 0.3449, 0.4094



15.4631, 0.3273, 0.3469



26.6070, 0.4670, 0.4674



1.9767, 0.4582, 0.4744



# Inverse Universe

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



41.4818, 0.2607, 0.2603



48.4233, 0.2484, 0.2430



37.7693, 0.2728, 0.2424



13.7559, 0.2981, 0.3104



4.7015, 0.1572, 0.0858



0.4616, 0.1652, 0.1147



# Previews

## White Background



This preview shows how the Yxy color 63.3256, 0.3640, 0.3893 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

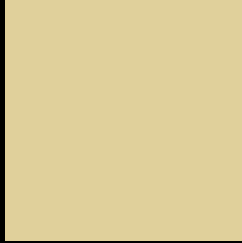
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.3256, 0.3640, 0.3893 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

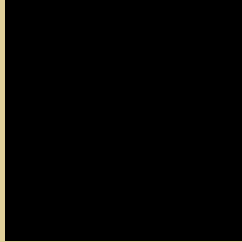
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

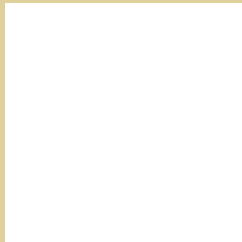
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.3256, 0.3640, 0.3893**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.3256, 0.3640, 0.3893.

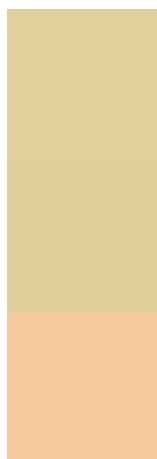


This preview shows how white text looks on a background with the Yxy color 63.3256, 0.3640, 0.3893.

# 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

63.3256, 0.3640, 0.3893

### Protanopia

63.1663, 0.3632, 0.3895

### Deuteranopia

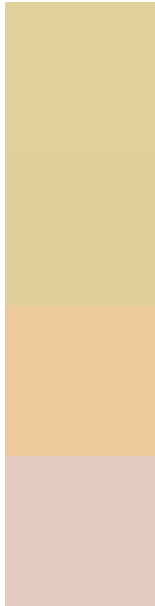
63.3357, 0.3836, 0.3752



## Tritanopia

63.2553, 0.3252, 0.3117

# Trichromacy



## Original Color

63.3256, 0.3640, 0.3893

## Protanomaly

63.1663, 0.3632, 0.3895

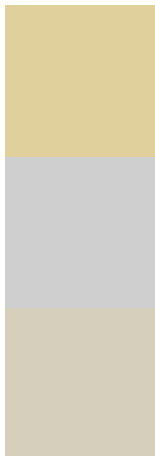
## Deuteranomaly

63.2893, 0.3766, 0.3806

## Tritanomaly

63.1009, 0.3390, 0.3391

# Monochromacy



## Original Color

63.3256, 0.3640, 0.3893

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.4026, 0.3310, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.3256, 0.3640, 0.3893 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(224, 208, 155)` looks like.

```
.text, #text, p{  
    color:rgb(224, 208, 155)  
}
```

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(224, 208, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 208, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3256, 0.3640, 0.3893 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(224, 208, 155) }
```

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

```
.border{ border-color:rgb(224, 208, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 208, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 208, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 208, 155); box-shadow:4px 4px 4px 4px rgb(224, 208, 155) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3256, 0.3640, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 208, 155) }
```

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

```
.background{ background-color: rgb(224,  
208, 155) }
```

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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