

# Converting Colors

$Yxy(64.2401, 0.3604, 0.3912)$

Have a look what the booklet for  
Yxy(64.2401, 0.3604, 0.3912)  
contains.

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# Color

**Yxy(64.5184, 0.3607, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED39C
RGB	222, 211, 156
RGB Percent	87%, 83%, 61%
CMY	0.1296, 0.1725, 0.3882
CMYK	0.00, 0.05, 0.30, 0.13
HSL	50°, 50%, 74%
HSV	50°, 30%, 87%
XYZ	59.4123, 64.5184, 40.7831
YIQ	208.0190, 24.2110, -14.7730

# Conversions

## Conversions Part 2

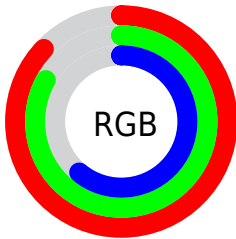
Format	Color
<a href="#">RYB</a>	<a href="#">169, 222, 156</a>
Decimal	<a href="#">14603164</a>
CIELab	<a href="#">84.23, -4.53, 28.65</a>
CIELCh	<a href="#">84, 29.007, 98.993</a>
Yxy	<a href="#">64.5184, 0.3607, 0.3917</a>
Android (android.graphics.Color)	<a href="#">4292793244</a> ( <a href="#">0xFFDED39C</a> )
YUV	<a href="#">208.0190, -25.6454, 12.2613</a>
Hunter-Lab	<a href="#">80.3233, -8.5359, 26.1226</a>

# Details

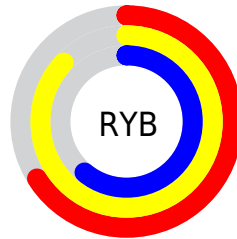
The Yxy color **64.5184, 0.3607, 0.3917** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9684, 0.2621, 0.2573**, and the grayscale version is **63.2469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **33.2204, 0.3719, 0.4080** is the 20% darker color. If you saturate the color by 10%, you get **62.0263, 0.3779, 0.4127**, and if you desaturate by 10%, it is **67.1957, 0.3438, 0.3702**.

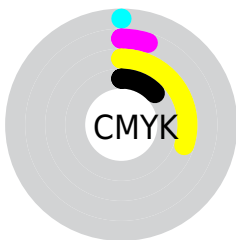
# Distribution



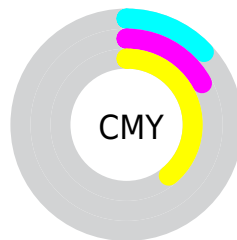
- Red (87%)
- Green (83%)
- Blue (61%)



- Red (66%)
- Yellow (87%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (30%)
- Black (13%)




- Cyan (13%)
- Magenta (17%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5184, 0.3607, 0.3917 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 64.5184, 0.3607, 0.3917 by changing the saturation by 10% instead.




 64.5184, 0.3607,  
0.3917


 64.5184, 0.3607,  
0.3917


441.0593, 0.3384,  
0.3620

 47.0707, 0.3657,  
0.3986


 111.3572, 0.3530,  
0.3813

 33.0915, 0.3719,  
0.4071


 141.5170, 0.3500,  
0.3773

 22.1966, 0.3796,  
0.4179


176.6830, 0.3474,  
0.3738

 14.0014, 0.3894,  
0.4320

217.2396, 0.3451,  
0.3708

 8.1216, 0.4021,  
0.4508

263.5711, 0.3431,  
0.3682

 4.1729, 0.4184,  
0.4767

316.0620, 0.3414,

 1.7707, 0.4608,

0.3659

0.5392

375.0966, 0.3398,  
0.3638

0.4688, 0.4167,  
0.5833

0.0000, 0.0000,  
0.0000

64.5184, 0.3607,  
0.3917

64.5184, 0.3607,  
0.3917

62.0263, 0.3779,  
0.4127

67.1957, 0.3438,  
0.3702

59.7029, 0.3948,  
0.4323

70.0567, 0.3275,  
0.3489

57.5427, 0.4108,  
0.4495

73.1111, 0.3123,  
0.3284

55.5361, 0.4250,  
0.4634


76.3650, 0.2982,  
0.3090


 53.6726, 0.4368,  
0.4730


 79.0272, 0.2922,  
0.3026


 51.9394, 0.4458,  
0.4780

 81.0935, 0.2923,  
0.3065

 50.3153, 0.4523,  
0.4790

 83.2034, 0.2924,  
0.3103

 50.2689, 0.4524,  
0.4790

 85.3571, 0.2925,  
0.3141

 87.5549, 0.2926,  
0.3179

# Harmonies

## Analogous

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



64.5184, 0.3818, 0.3740



64.5184, 0.3607, 0.3917



64.5184, 0.3273, 0.3920

# Triad

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



64.5184, 0.3607, 0.3917



64.5184, 0.2467, 0.3048



64.5184, 0.3318, 0.2909

# Complementary

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



64.5184, 0.3607, 0.3917



39.9684, 0.2621, 0.2573

# 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.



64.5184, 0.2949, 0.2740



64.5184, 0.3607, 0.3917



64.5184, 0.2476, 0.2802

# Square

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



64.5184, 0.3607, 0.3917



64.5184, 0.2622, 0.3389



64.5184, 0.2646, 0.2698



64.5184, 0.3649, 0.3167



# Rectangle

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



64.5184, 0.3607, 0.3917



64.5184, 0.3030, 0.3808



64.5184, 0.2646, 0.2698



64.5184, 0.3193, 0.2840

# Sweetspot

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



64.5213, 0.3607, 0.3917



96.2020, 0.3265, 0.3476



42.0985, 0.3678, 0.3161



20.4642, 0.3288, 0.3507



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.



64.5213, 0.3607, 0.3917



86.0899, 0.3720, 0.4056



66.9014, 0.3405, 0.4073



15.6218, 0.3271, 0.3484



30.0103, 0.4519, 0.4794



2.1845, 0.4460, 0.4841



# Inverse Universe

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



39.9684, 0.2621, 0.2573



47.0443, 0.2493, 0.2384



38.5214, 0.2781, 0.2466



13.6091, 0.2981, 0.3088



4.0218, 0.1542, 0.0749

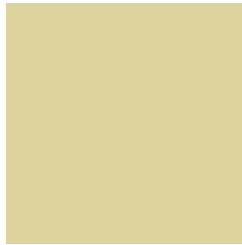


0.3918, 0.1612, 0.1002



# Previews

## White Background



This preview shows how the Yxy color 64.5184, 0.3607, 0.3917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

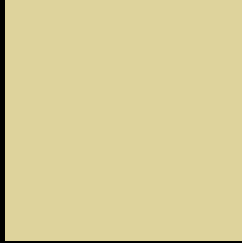
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5184, 0.3607, 0.3917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

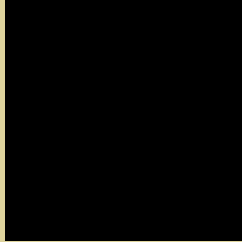
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

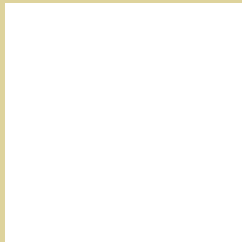
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.5184, 0.3607, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5184, 0.3607, 0.3917.



This preview shows how white text looks on a background with the Yxy color 64.5184, 0.3607, 0.3917.

# 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

64.5184, 0.3607, 0.3917

### Protanopia

64.5010, 0.3635, 0.3901

### Deuteranopia

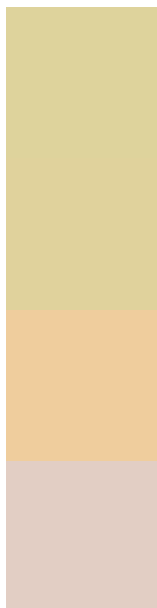
64.1984, 0.3841, 0.3749



## Tritanopia

64.4844, 0.3212, 0.3117

# Trichromacy



## Original Color

64.5184, 0.3607, 0.3917

## Protanomaly

64.3408, 0.3627, 0.3903

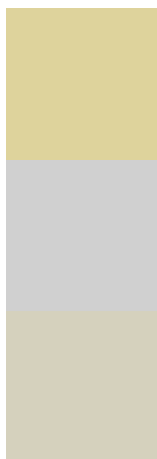
## Deuteranomaly

64.4477, 0.3759, 0.3815

## Tritanomaly

64.2969, 0.3355, 0.3402

# Monochromacy



## Original Color

64.5184, 0.3607, 0.3917

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.4212, 0.3300, 0.3521

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5184, 0.3607, 0.3917 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(222, 211, 156)` looks like.

```
.text, #text, p{  
    color:rgb(222, 211, 156)  
}
```

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(222, 211, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 211, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5184, 0.3607, 0.3917 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(222, 211, 156) }
```

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

```
.border{ border-color:rgb(222, 211, 156) }
```

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

Here you see how a box with a 4 pixel rgb(222, 211, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 211, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 211, 156);  
box-shadow:4px 4px 4px 4px rgb(222, 211,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5184, 0.3607, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 211, 156) }
```

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

```
.background{ background-color: rgb(222,  
211, 156) }
```

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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