

# Converting Colors

$Yxy(63.9918, 0.3665, 0.3828)$

Have a look what the booklet for  
Yxy(63.9918, 0.3665, 0.3828)  
contains.

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# Color

**Yxy(63.9518, 0.3663, 0.3828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CF9F
RGB	230, 207, 159
RGB Percent	90%, 81%, 62%
CMY	0.0982, 0.1882, 0.3765
CMYK	0.00, 0.10, 0.31, 0.10
HSL	41°, 59%, 76%
HSV	41°, 31%, 90%
XYZ	61.1953, 63.9518, 41.9162
YIQ	208.4050, 29.1160, -10.0520

# Conversions

## Conversions Part 2

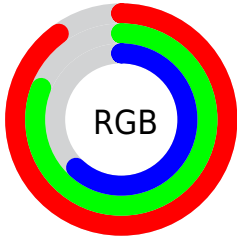
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 230, 159
Decimal	15126431
CIE Lab	83.94, 0.97, 26.82
CIE LCh	84, 26.838, 87.931
Yxy	63.9518, 0.3663, 0.3828
Android (android.graphics.Color)	4293316511 (0xFFE6CF9F)
YUV	208.4050, -24.3567, 18.9388
Hunter-Lab	79.9699, -3.3539, 24.9021

# Details

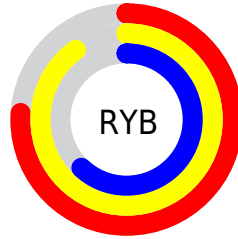
The Yxy color **63.9518, 0.3663, 0.3828** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.5140, 0.2614, 0.2685**, and the grayscale version is **63.4991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **32.8427, 0.3798, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **59.7102, 0.3864, 0.4004**, and if you desaturate by 10%, it is **68.5175, 0.3474, 0.3649**.

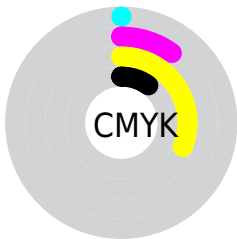
# Distribution



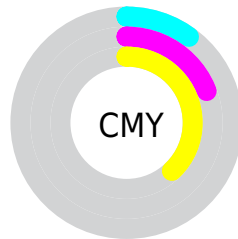
- Red (90%)
- Green (81%)
- Blue (62%)



- Red (76%)
- Yellow (90%)
- Blue (62%)



- Cyan (0%)
- Magenta (10%)
- Yellow (31%)
- Black (10%)




- Cyan (10%)
- Magenta (19%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9518, 0.3663, 0.3828 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 63.9518, 0.3663, 0.3828 by changing the saturation by 10% instead.




 63.9518, 0.3663,  
0.3828


 63.9518, 0.3663,  
0.3828


439.0156, 0.3411,  
0.3576

 46.6116, 0.3721,  
0.3886


 110.5415, 0.3575,  
0.3740

 32.7287, 0.3793,  
0.3957


 140.5599, 0.3541,  
0.3706

 21.9187, 0.3883,  
0.4046


175.5731, 0.3512,  
0.3677

 13.7972, 0.4000,  
0.4161

215.9655, 0.3486,  
0.3651

 7.9797, 0.4155,  
0.4313

262.1216, 0.3464,  
0.3629

 4.0820, 0.4365,  
0.4516

314.4257, 0.3444,

 1.7195, 0.4929,

0.3609

0.5071

373.2622, 0.3427,  
0.3592

0.4363, 0.5012,  
0.4988

0.0000, 0.0000,  
0.0000

63.9518, 0.3663,  
0.3828

63.9518, 0.3663,  
0.3828

59.7102, 0.3864,  
0.4004

68.5175, 0.3474,  
0.3649

55.7733, 0.4073,  
0.4169

73.4084, 0.3299,  
0.3473

52.1327, 0.4281,  
0.4312

78.6367, 0.3140,  
0.3304

48.7758, 0.4479,  
0.4422

84.2112, 0.2997,  
0.3145

■ 45.6885, 0.4658,  
0.4487

■ 88.8571, 0.2974,  
0.3181

■ 42.8546, 0.4807,  
0.4503

■ 93.4275, 0.2975,  
0.3256

■ 40.4631, 0.4918,  
0.4477

■ 95.5573, 0.2975,  
0.3290

# Harmonies

## Analogous

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



63.9518, 0.3797, 0.3623



63.9518, 0.3663, 0.3828



63.9518, 0.3387, 0.3894

# Triad

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



63.9518, 0.3663, 0.3828



63.9518, 0.2549, 0.3178



63.9518, 0.3177, 0.2865

# Complementary

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



63.9518, 0.3663, 0.3828



46.5140, 0.2614, 0.2685

# 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.



63.9518, 0.2847, 0.2748



63.9518, 0.3663, 0.3828



63.9518, 0.2499, 0.2908

# Square

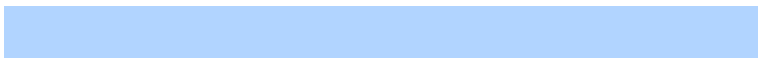
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.9518, 0.3663, 0.3828



63.9518, 0.2746, 0.3503



63.9518, 0.2605, 0.2759



63.9518, 0.3509, 0.3080



# Rectangle

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



63.9518, 0.3663, 0.3828



63.9518, 0.3163, 0.3836



63.9518, 0.2605, 0.2759



63.9518, 0.3062, 0.2813

# Sweetspot

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



63.9547, 0.3663, 0.3828



93.9655, 0.3269, 0.3442



45.0162, 0.3592, 0.3021



19.9108, 0.3293, 0.3467



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.



63.9547, 0.3663, 0.3828



77.3975, 0.3790, 0.3941



74.0043, 0.3504, 0.4083



15.9903, 0.3276, 0.3448



23.1465, 0.4903, 0.4489



1.8772, 0.4774, 0.4591



# Inverse Universe

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



46.5140, 0.2614, 0.2685



52.0910, 0.2500, 0.2536



39.1437, 0.2670, 0.2406



14.6442, 0.2981, 0.3126



6.2321, 0.1627, 0.1058



0.6243, 0.1708, 0.1350



# Previews

## White Background



This preview shows how the Yxy color 63.9518, 0.3663, 0.3828 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 63.9518, 0.3663, 0.3828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

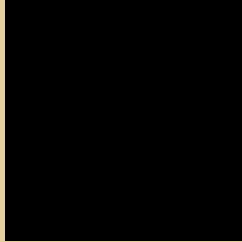
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

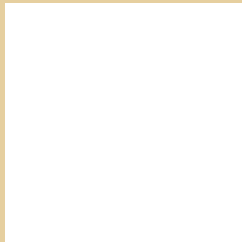
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.9518, 0.3663, 0.3828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9518, 0.3663, 0.3828.



This preview shows how white text looks on a background with the Yxy color 63.9518, 0.3663, 0.3828.

# 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

63.9518, 0.3663, 0.3828

### Protanopia

63.9863, 0.3601, 0.3847

### Deuteranopia

63.9042, 0.3808, 0.3731



## Tritanopia

63.5860, 0.3300, 0.3119

# Trichromacy



## Original Color

63.9518, 0.3663, 0.3828

## Protanomaly

63.8186, 0.3620, 0.3833

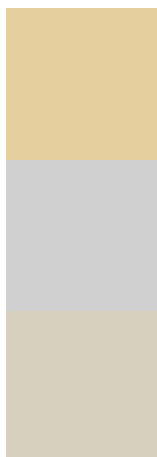
## Deuteranomaly

63.7752, 0.3752, 0.3760

## Tritanomaly

63.6736, 0.3433, 0.3368

# Monochromacy



## Original Color

63.9518, 0.3663, 0.3828

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

63.4284, 0.3317, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9518, 0.3663, 0.3828 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(230, 207, 159)` looks like.

```
.text, #text, p{  
    color:rgb(230, 207, 159)  
}
```

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(230, 207, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 207, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9518, 0.3663, 0.3828 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(230, 207, 159) }
```

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

```
.border{ border-color:rgb(230, 207, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 207, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 207, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 207, 159);  
box-shadow:4px 4px 4px 4px rgb(230, 207,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9518, 0.3663, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 207, 159) }
```

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

```
.background{ background-color: rgb(230,  
207, 159) }
```

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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