

# Converting Colors

$Yxy(65.0566, 0.3476, 0.3593)$

Have a look what the booklet for  
Yxy(65.0566, 0.3476, 0.3593)  
contains.

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# Color

**Yxy(64.9419, 0.3479, 0.3593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4D0B5
RGB	228, 208, 181
RGB Percent	89%, 82%, 71%
CMY	0.1060, 0.1842, 0.2903
CMYK	0.00, 0.09, 0.21, 0.11
HSL	35°, 47%, 80%
HSV	35°, 21%, 89%
XYZ	62.8814, 64.9419, 52.9223
YIQ	210.9020, 20.5870, -4.1570

# Conversions

## Conversions Part 2

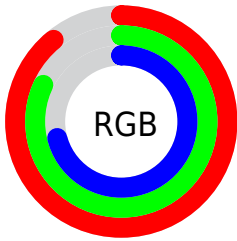
Format	Color
RYB	216, 228, 181
Decimal	14995637
CIELab	84.45, 2.69, 15.95
CIELCh	84, 16.171, 80.437
Yxy	64.9419, 0.3479, 0.3593
Android (android.graphics.Color)	4293185717 (0xFFE4D0B5)
YUV	210.9020, -14.7417, 14.9949
Hunter-Lab	80.5865, -1.7435, 17.4740

# Details

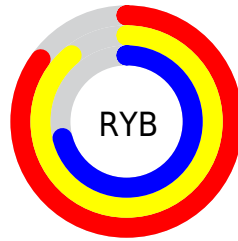
The Yxy color **64.9419, 0.3479, 0.3593** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **57.1582, 0.2799, 0.2967**, and the grayscale version is **65.1605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **33.4404, 0.3565, 0.3672** is the 20% darker color. If you saturate the color by 10%, you get **59.5079, 0.3681, 0.3748**, and if you desaturate by 10%, it is **70.8229, 0.3298, 0.3442**.

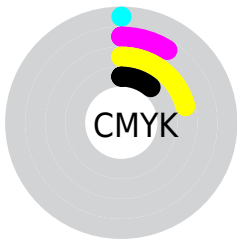
# Distribution



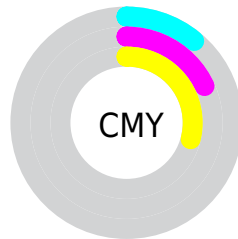
- Red (89%)
- Green (82%)
- Blue (71%)



- Red (85%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (9%)
- Yellow (21%)
- Black (11%)




- Cyan (11%)
- Magenta (18%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9419, 0.3479, 0.3593 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 64.9419, 0.3479, 0.3593 by changing the saturation by 10% instead.




 64.9419, 0.3479,  
0.3593

 64.9419, 0.3479,  
0.3593


442.5832, 0.3312,  
0.3451

 47.4140, 0.3518,  
0.3626


 111.9663, 0.3421,  
0.3543

 33.3630, 0.3566,  
0.3666


142.2316, 0.3398,  
0.3524

 22.4047, 0.3628,  
0.3718


177.5115, 0.3379,  
0.3508

 14.1546, 0.3710,  
0.3785

218.1903, 0.3362,  
0.3494

 8.2282, 0.3823,  
0.3877

264.6525, 0.3347,  
0.3481

 4.2413, 0.3989,  
0.4008

317.2824, 0.3334,

 1.8095, 0.4286,

0.3470

0.4243

376.4645, 0.3323,  
0.3460

0.4931, 0.5200,  
0.4800

0.0000, 0.0000,  
0.0000

64.9419, 0.3479,  
0.3593

64.9419, 0.3479,  
0.3593

59.5079, 0.3681,  
0.3748

70.8229, 0.3298,  
0.3442

54.4995, 0.3901,  
0.3901

77.1539, 0.3136,  
0.3299

49.9063, 0.4137,  
0.4044

83.9493, 0.2994,  
0.3164

45.7142, 0.4382,  
0.4167

90.0646, 0.2963,  
0.3206

41.9078, 0.4624,  
0.4258

95.2288, 0.2964,  
0.3290

38.4699, 0.4851,  
0.4305

35.3813, 0.5048,  
0.4299

32.7732, 0.5204,  
0.4250

# Harmonies

## Analogous

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



64.9419, 0.3529, 0.3460



64.9419, 0.3479, 0.3593



64.9419, 0.3334, 0.3648

# Triad

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



64.9419, 0.3479, 0.3593



64.9419, 0.2798, 0.3276



64.9419, 0.3108, 0.3003

# Complementary

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



64.9419, 0.3479, 0.3593



57.1582, 0.2799, 0.2967

# 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.



64.9419, 0.2916, 0.2951



64.9419, 0.3479, 0.3593



64.9419, 0.2741, 0.3100

# Square

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



64.9419, 0.3479, 0.3593



64.9419, 0.2940, 0.3462



64.9419, 0.2784, 0.2984



64.9419, 0.3311, 0.3125



# Rectangle

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



64.9419, 0.3479, 0.3593



64.9419, 0.3204, 0.3629



64.9419, 0.2784, 0.2984



64.9419, 0.3040, 0.2977

# Sweetspot

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



64.9448, 0.3479, 0.3593



94.9792, 0.3221, 0.3375



53.7592, 0.3365, 0.3062



20.2153, 0.3232, 0.3385



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.



64.9448, 0.3479, 0.3593



80.4849, 0.3568, 0.3663



74.7855, 0.3414, 0.3807



15.7384, 0.3278, 0.3425



19.1700, 0.5184, 0.4266



1.5998, 0.5000, 0.4412



# Inverse Universe

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



57.1582, 0.2799, 0.2967



68.6340, 0.2723, 0.2886



48.8407, 0.2806, 0.2724



14.8879, 0.2981, 0.3151



8.3725, 0.1706, 0.1340

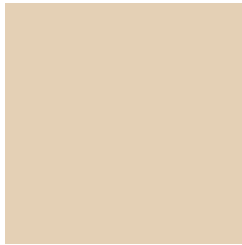


0.7996, 0.1785, 0.1626



# Previews

## White Background



This preview shows how the Yxy color 64.9419, 0.3479, 0.3593 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 64.9419, 0.3479, 0.3593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

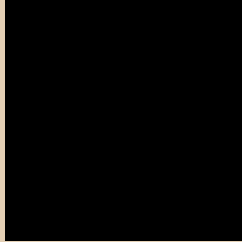
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

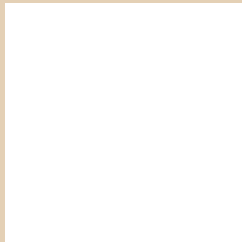
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.9419, 0.3479, 0.3593**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9419, 0.3479, 0.3593.



This preview shows how white text looks on a background with the Yxy color 64.9419, 0.3479, 0.3593.

# 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

64.9419, 0.3479, 0.3593

### Protanopia

64.8427, 0.3412, 0.3609

### Deuteranopia

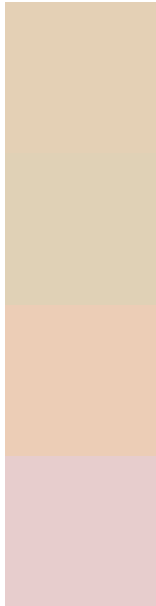
64.7900, 0.3588, 0.3518



## Tritanopia

65.0975, 0.3250, 0.3129

# Trichromacy



## Original Color

64.9419, 0.3479, 0.3593

## Protanomaly

64.8256, 0.3438, 0.3595

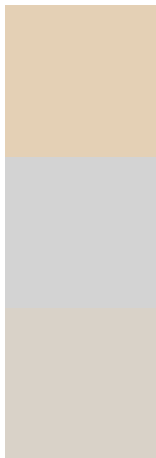
## Deuteranomaly

64.8729, 0.3543, 0.3543

## Tritanomaly

65.0593, 0.3328, 0.3291

# Monochromacy



## Original Color

64.9419, 0.3479, 0.3593

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

65.0150, 0.3250, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9419, 0.3479, 0.3593 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(228, 208, 181)` looks like.

```
.text, #text, p{  
    color:rgb(228, 208, 181)  
}
```

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(228, 208, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 208, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9419, 0.3479, 0.3593 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(228, 208, 181) }
```

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

```
.border{ border-color:rgb(228, 208, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 208, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 208, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 208, 181);  
box-shadow:4px 4px 4px 4px rgb(228, 208,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9419, 0.3479, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 208, 181) }
```

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

```
.background{ background-color: rgb(228,  
208, 181) }
```

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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