

# Converting Colors

$Yxy(72.4283, 0.3339, 0.3587)$

Have a look what the booklet for  
Yxy(72.4283, 0.3339, 0.3587)  
contains.

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# Color

**Yxy(72.3514, 0.3338, 0.3586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DEC3
RGB	226, 222, 195
RGB Percent	89%, 87%, 76%
CMY	0.1136, 0.1294, 0.2352
CMYK	0.00, 0.02, 0.14, 0.11
HSL	52°, 35%, 83%
HSV	52°, 14%, 89%
XYZ	67.3477, 72.3514, 62.0616
YIQ	220.1180, 11.0510, -7.5490

# Conversions

## Conversions Part 2

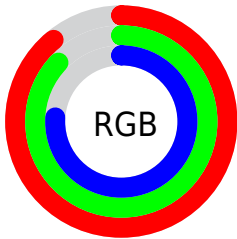
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 226, 195
Decimal	14868163
CIE Lab	88.14, -3.11, 13.72
CIE LCh	88, 14.070, 102.775
Yxy	72.3514, 0.3338, 0.3586
Android (android.graphics.Color)	4293058243 (0xFFE2DEC3)
YUV	220.1180, -12.3832, 5.1585
Hunter-Lab	85.0596, -7.5232, 16.2823

# Details

The Yxy color **72.3514, 0.3338, 0.3586** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **57.9833, 0.2909, 0.2976**, and the grayscale version is **71.7459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **38.2184, 0.3394, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **69.8531, 0.3501, 0.3809**, and if you desaturate by 10%, it is **75.0383, 0.3183, 0.3369**.

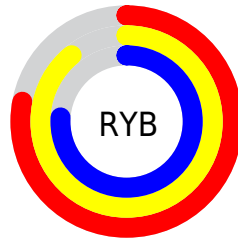
# Distribution



Red (89%)

Green (87%)

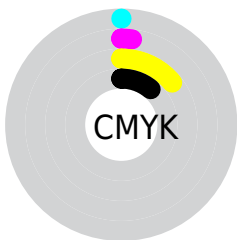
Blue (76%)



Red (78%)

Yellow (89%)

Blue (76%)

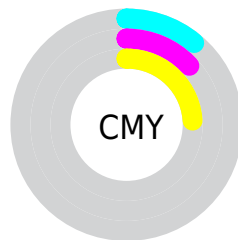


Cyan (0%)

Magenta (2%)

Yellow (14%)

Black (11%)



Cyan (11%)

Magenta (13%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3514, 0.3338, 0.3586 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 72.3514, 0.3338, 0.3586 by changing the saturation by 10% instead.




 72.3514, 0.3338,  
0.3586

 72.3514, 0.3338,  
0.3586


468.7638, 0.3241,  
0.3448

 53.4458, 0.3360,  
0.3618


122.5560, 0.3304,  
0.3538

 38.1588, 0.3387,  
0.3657


154.6238, 0.3291,  
0.3519

 26.1059, 0.3422,  
0.3707


191.8477, 0.3280,  
0.3503

 16.9029, 0.3466,  
0.3773

234.6122, 0.3270,  
0.3489

 10.1653, 0.3527,  
0.3863

283.3017, 0.3261,  
0.3477

 5.5087, 0.3612,  
0.3993

338.3005, 0.3254,

 2.5487, 0.3742,

0.3466

0.4197

399.9931, 0.3247,  
0.3457

0.9009, 0.4582,  
0.5291

0.0000, 0.0000,  
0.0000

72.3514, 0.3338,  
0.3586

72.3514, 0.3338,  
0.3586

69.8531, 0.3501,  
0.3809

75.0383, 0.3183,  
0.3369

67.5268, 0.3667,  
0.4030

77.9110, 0.3037,  
0.3161

65.3681, 0.3833,  
0.4243

80.4634, 0.2948,  
0.3043

63.3688, 0.3990,  
0.4436

82.1291, 0.2949,  
0.3073

61.5197, 0.4133,  
0.4600

83.8228, 0.2949,  
0.3104

59.8108, 0.4254,  
0.4726

85.5446, 0.2950,  
0.3134

58.2301, 0.4349,  
0.4809

87.2947, 0.2950,  
0.3165

56.7635, 0.4416,  
0.4845

89.0733, 0.2951,  
0.3195

55.8866, 0.4447,  
0.4851

90.8804, 0.2951,  
0.3225

# Harmonies

## Analogous

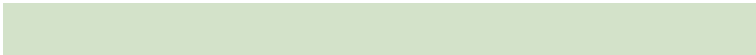
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3514, 0.3442, 0.3522



72.3514, 0.3338, 0.3586



72.3514, 0.3179, 0.3568

# Triad

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



72.3514, 0.3338, 0.3586



72.3514, 0.2806, 0.3166



72.3514, 0.3240, 0.3120

# Complementary

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



72.3514, 0.3338, 0.3586



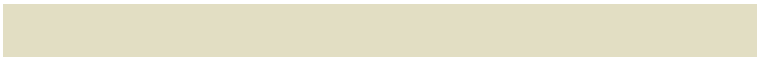
57.9833, 0.2909, 0.2976

# Split Complementary

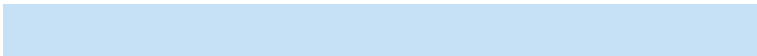
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3514, 0.3068, 0.3030



72.3514, 0.3338, 0.3586



72.3514, 0.2821, 0.3052

# Square

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



72.3514, 0.3338, 0.3586



72.3514, 0.2875, 0.3320



72.3514, 0.2915, 0.3004



72.3514, 0.3385, 0.3254



# Rectangle

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



72.3514, 0.3338, 0.3586



72.3514, 0.3065, 0.3510



72.3514, 0.2915, 0.3004



72.3514, 0.3183, 0.3084

# Sweetspot

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



72.3546, 0.3338, 0.3586



98.5131, 0.3187, 0.3375



59.3500, 0.3347, 0.3244



21.0270, 0.3199, 0.3391



0.0000, 0.0000, 0.0000

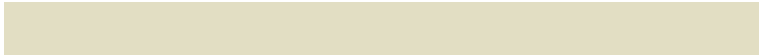


21.4041, 0.3127, 0.3290

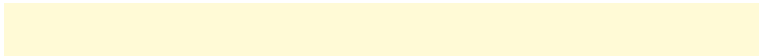


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3546, 0.3338, 0.3586



94.2914, 0.3376, 0.3639



72.7544, 0.3249, 0.3638



15.7080, 0.3270, 0.3492



31.9948, 0.4442, 0.4855



2.3039, 0.4399, 0.4890



# Inverse Universe

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



57.9833, 0.2909, 0.2976



72.4864, 0.2868, 0.2915



57.7158, 0.2992, 0.2936



13.5305, 0.2981, 0.3080



3.7449, 0.1529, 0.0704

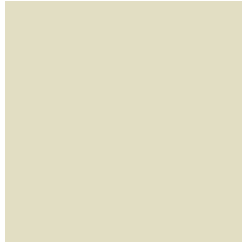


0.3545, 0.1589, 0.0921



# Previews

## White Background



This preview shows how the Yxy color 72.3514, 0.3338, 0.3586 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

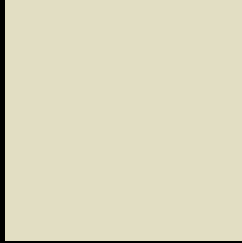
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3514, 0.3338, 0.3586 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

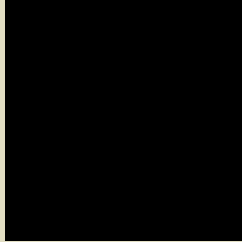
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

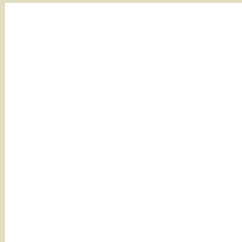
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3514, 0.3338, 0.3586**

## Background



This preview shows how black text looks on a background with the Yxy color 72.3514, 0.3338, 0.3586.



This preview shows how white text looks on a background with the Yxy color 72.3514, 0.3338, 0.3586.

# 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

72.3514, 0.3338, 0.3586

### Protanopia

72.0704, 0.3385, 0.3573

### Deuteranopia

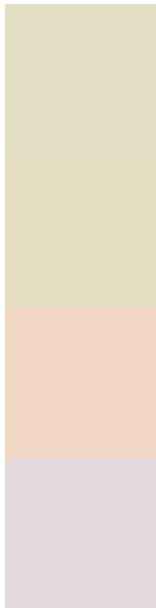
72.1289, 0.3530, 0.3457



## Tritanopia

71.9839, 0.3121, 0.3111

# Trichromacy



## Original Color

72.3514, 0.3338, 0.3586

## Protanomaly

72.2660, 0.3369, 0.3585

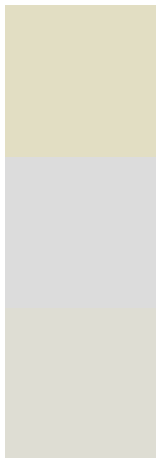
## Deuteranomaly

71.9745, 0.3462, 0.3503

## Tritanomaly

71.9153, 0.3200, 0.3280

# Monochromacy



## Original Color

72.3514, 0.3338, 0.3586

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.9456, 0.3201, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3514, 0.3338, 0.3586 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(226, 222, 195)` looks like.

```
.text, #text, p{  
    color:rgb(226, 222, 195)  
}
```

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(226, 222, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 222, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3514, 0.3338, 0.3586 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(226, 222, 195) }
```

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

```
.border{ border-color:rgb(226, 222, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 222, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 222, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 222, 195); box-shadow:4px 4px 4px 4px rgb(226, 222, 195) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3514, 0.3338, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 222, 195) }
```

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

```
.background{ background-color: rgb(226,  
222, 195) }
```

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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