

# Converting Colors

$Y_{xy}(72.4999, 0.3512, 0.3851)$

Have a look what the booklet for  
Yxy(72.4999, 0.3512, 0.3851)  
contains.

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# Color

**Yxy(72.4119, 0.3517, 0.3850)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DFAC
RGB	229, 223, 172
RGB Percent	90%, 87%, 67%
CMY	0.1019, 0.1255, 0.3255
CMYK	0.00, 0.03, 0.25, 0.10
HSL	54°, 52%, 79%
HSV	54°, 25%, 90%
XYZ	66.1487, 72.4119, 49.5222
YIQ	218.9800, 19.9470, -14.5890

# Conversions

## Conversions Part 2

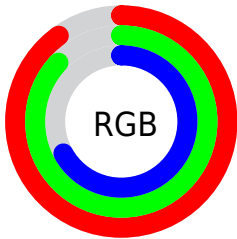
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 229, 172
Decimal	15065004
CIELab	88.17, -5.90, 25.79
CIELCh	88, 26.456, 102.881
Yxy	72.4119, 0.3517, 0.3850
Android (android.graphics.Color)	4293255084 (0xFFE5DFAC)
YUV	218.9800, -23.1611, 8.7875
Hunter-Lab	85.0952, -10.1596, 25.0621

# Details

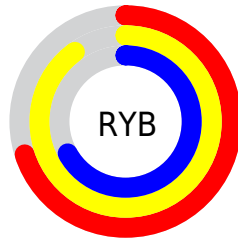
The Yxy color **72.4119, 0.3517, 0.3850** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.2727, 0.2707, 0.2660**, and the grayscale version is **70.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **38.2214, 0.3608, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **70.3302, 0.3680, 0.4076**, and if you desaturate by 10%, it is **74.6701, 0.3356, 0.3621**.

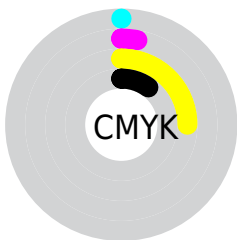
# Distribution



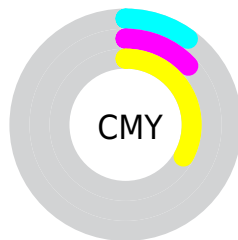
- Red (90%)
- Green (87%)
- Blue (67%)



- Red (70%)
- Yellow (90%)
- Blue (67%)



- Cyan (0%)
- Magenta (3%)
- Yellow (25%)
- Black (10%)




- Cyan (10%)
- Magenta (13%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4119, 0.3517, 0.3850 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 72.4119, 0.3517, 0.3850 by changing the saturation by 10% instead.




 72.4119, 0.3517,  
0.3850

 72.4119, 0.3517,  
0.3850


468.9740, 0.3339,  
0.3589

 53.4952, 0.3557,  
0.3910


 122.6420, 0.3456,  
0.3759

 38.1982, 0.3605,  
0.3984


154.7241, 0.3432,  
0.3724

 26.1366, 0.3665,  
0.4077


191.9636, 0.3411,  
0.3693

 16.9259, 0.3740,  
0.4198

234.7447, 0.3393,  
0.3667

 10.1816, 0.3839,  
0.4361

283.4520, 0.3377,  
0.3644

 5.5196, 0.3968,  
0.4588

338.4696, 0.3363,

 2.5552, 0.4221,

0.3623

0.5020

400.1822, 0.3351,  
0.3605

0.9042, 0.4417,  
0.5583

0.0000, 0.0000,  
0.0000

72.4119, 0.3517,  
0.3850

72.4119, 0.3517,  
0.3850

70.3302, 0.3680,  
0.4076

74.6701, 0.3356,  
0.3621

68.4074, 0.3840,  
0.4291

77.1023, 0.3200,  
0.3397

66.6382, 0.3990,  
0.4485

79.7186, 0.3053,  
0.3181

65.0131, 0.4123,  
0.4649

81.9585, 0.2967,  
0.3063

63.5216, 0.4234,  
0.4773

83.3304, 0.2968,  
0.3088

62.1513, 0.4317,  
0.4852

84.7211, 0.2968,  
0.3112

60.8872, 0.4373,  
0.4887

86.1306, 0.2968,  
0.3137

60.2699, 0.4394,  
0.4893

87.5589, 0.2968,  
0.3162

89.0062, 0.2969,  
0.3186

# Harmonies

## Analogous

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



72.4119, 0.3718, 0.3715



72.4119, 0.3517, 0.3850



72.4119, 0.3217, 0.3826

# Triad

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



72.4119, 0.3517, 0.3850



72.4119, 0.2536, 0.3046



72.4119, 0.3337, 0.2979

# Complementary

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



72.4119, 0.3517, 0.3850



46.2727, 0.2707, 0.2660

# Split Complementary

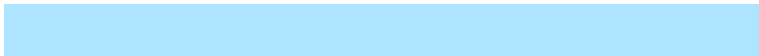
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.4119, 0.3012, 0.2817



72.4119, 0.3517, 0.3850



72.4119, 0.2563, 0.2842

# Square

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



72.4119, 0.3517, 0.3850



72.4119, 0.2657, 0.3338



72.4119, 0.2733, 0.2765



72.4119, 0.3615, 0.3217



# Rectangle

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



72.4119, 0.3517, 0.3850



72.4119, 0.3003, 0.3714



72.4119, 0.2733, 0.2765



72.4119, 0.3229, 0.2914

# Sweetspot

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



72.4151, 0.3517, 0.3850



97.7098, 0.3233, 0.3444



49.4071, 0.3590, 0.3215



20.8728, 0.3242, 0.3458



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.



72.4151, 0.3517, 0.3850



90.9822, 0.3603, 0.3971



72.3085, 0.3341, 0.3945



16.5442, 0.3270, 0.3498



34.5634, 0.4390, 0.4896



2.6290, 0.4358, 0.4922



# Inverse Universe

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



46.2727, 0.2707, 0.2660



52.0965, 0.2605, 0.2503



46.6151, 0.2869, 0.2616



14.1301, 0.2980, 0.3073



3.6933, 0.1521, 0.0676

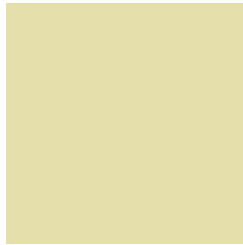


0.3556, 0.1570, 0.0851



# Previews

## White Background



This preview shows how the Yxy color 72.4119, 0.3517, 0.3850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

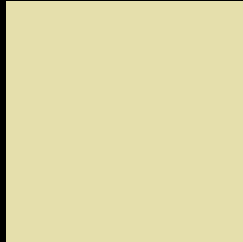
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4119, 0.3517, 0.3850 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

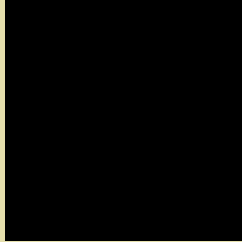
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

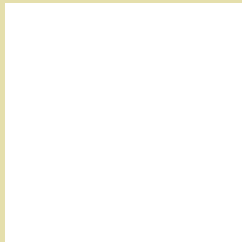
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.4119, 0.3517, 0.3850**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4119, 0.3517, 0.3850.



This preview shows how white text looks on a background with the Yxy color 72.4119, 0.3517, 0.3850.

# 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

72.4119, 0.3517, 0.3850

### Protanopia

72.4860, 0.3583, 0.3831

### Deuteranopia

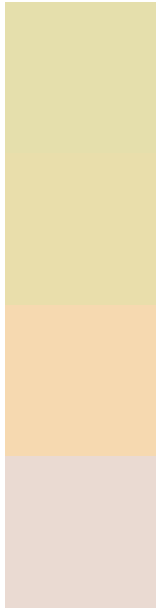
72.1032, 0.3696, 0.3642



## Tritanopia

72.4316, 0.3172, 0.3113

# Trichromacy



**Original Color**

72.4119, 0.3517, 0.3850

**Protanomaly**

72.5065, 0.3557, 0.3845

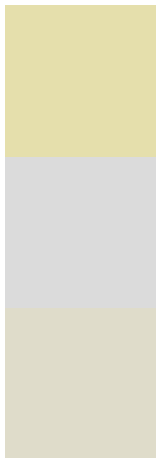
**Deuteranomaly**

72.3531, 0.3636, 0.3723

**Tritanomaly**

72.2884, 0.3299, 0.3376

# Monochromacy



**Original Color**

72.4119, 0.3517, 0.3850

**Achromatopsia**

70.8376, 0.3127, 0.3290

**Achromatomaly**

71.1386, 0.3270, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4119, 0.3517, 0.3850 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(229, 223, 172)` looks like.

```
.text, #text, p{  
    color:rgb(229, 223, 172)  
}
```

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(229, 223, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 223, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4119, 0.3517, 0.3850 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(229, 223, 172) }
```

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

```
.border{ border-color:rgb(229, 223, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 223, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 223, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 223, 172); box-shadow:4px 4px 4px 4px rgb(229, 223, 172) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4119, 0.3517, 0.3850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 223, 172) }
```

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

```
.background{ background-color: rgb(229,  
223, 172) }
```

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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