

# Converting Colors

$Yxy(72.0653, 0.3548, 0.3942)$

Have a look what the booklet for  
Yxy(72.0653, 0.3548, 0.3942)  
contains.

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# Color

**Yxy(72.3588, 0.3547, 0.3941)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E0A5
RGB	227, 224, 165
RGB Percent	89%, 88%, 65%
CMY	0.1098, 0.1215, 0.3530
CMYK	0.00, 0.01, 0.27, 0.11
HSL	57°, 53%, 77%
HSV	57°, 27%, 89%
XYZ	65.1248, 72.3588, 46.1216
YIQ	218.1710, 20.7270, -17.7130

# Conversions

## Conversions Part 2

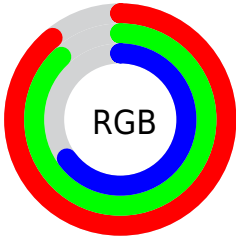
<b>Format</b>	<b>Color</b>
<b>RYB</b>	168, 227, 165
Decimal	14934181
CIELab	88.14, -8.09, 29.35
CIELCh	88, 30.444, 105.403
Yxy	72.3588, 0.3547, 0.3941
Android (android.graphics.Color)	4293124261 (0xFFE3E0A5)
YUV	218.1710, -26.2133, 7.7430
Hunter-Lab	85.0640, -12.2028, 27.3978

# Details

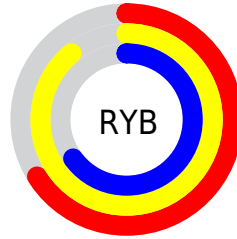
The Yxy color **72.3588, 0.3547, 0.3941** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.5405, 0.2656, 0.2543**, and the grayscale version is **70.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **38.2261, 0.3636, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **71.0200, 0.3701, 0.4176**, and if you desaturate by 10%, it is **73.8546, 0.3390, 0.3700**.

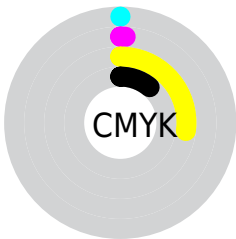
# Distribution



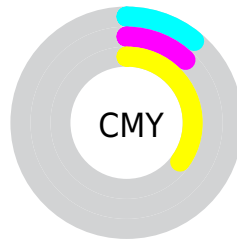
- Red (89%)
- Green (88%)
- Blue (65%)



- Red (66%)
- Yellow (89%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (27%)
- Black (11%)




- Cyan (11%)
- Magenta (12%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3588, 0.3547, 0.3941 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 72.3588, 0.3547, 0.3941 by changing the saturation by 10% instead.




 72.3588, 0.3547,  
0.3941


 72.3588, 0.3547,  
0.3941


468.7895, 0.3357,  
0.3636

 53.4518, 0.3589,  
0.4011


 122.5665, 0.3482,  
0.3835

 38.1636, 0.3639,  
0.4097


 154.6360, 0.3457,  
0.3794

 26.1097, 0.3701,  
0.4205


191.8619, 0.3435,  
0.3758

 16.9057, 0.3779,  
0.4346

234.6284, 0.3415,  
0.3728

 10.1673, 0.3876,  
0.4533

283.3201, 0.3398,  
0.3701

 5.5100, 0.3998,  
0.4792

338.3212, 0.3383,

 2.5495, 0.4325,

0.3677

400.0162, 0.3369,  
0.3655

0.5391

0.9013, 0.4224,  
0.5776

0.0000, 0.0000,  
0.0000

72.3588, 0.3547,  
0.3941

72.3588, 0.3547,  
0.3941

71.0200, 0.3701,  
0.4176

73.8546, 0.3390,  
0.3700

69.8207, 0.3848,  
0.4396

75.5049, 0.3236,  
0.3461

68.7556, 0.3980,  
0.4590

77.3196, 0.3088,  
0.3229

67.8154, 0.4092,  
0.4751

79.2545, 0.2954,  
0.3017

■ 66.9894, 0.4179,  
0.4869

■ 79.8612, 0.2954,  
0.3029

■ 66.2650, 0.4239,  
0.4944

■ 80.4717, 0.2954,  
0.3040

■ 65.6258, 0.4274,  
0.4977

■ 81.0860, 0.2954,  
0.3052

■ 65.4618, 0.4281,  
0.4983

■ 81.7042, 0.2954,  
0.3063

■ 82.3263, 0.2955,  
0.3074

# Harmonies

## Analogous

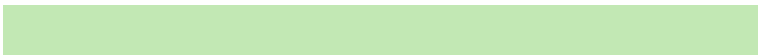
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3588, 0.3794, 0.3794



72.3588, 0.3547, 0.3941



72.3588, 0.3196, 0.3901

# Triad

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



72.3588, 0.3547, 0.3941



72.3588, 0.2448, 0.2982



72.3588, 0.3398, 0.2955

# Complementary

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



72.3588, 0.3547, 0.3941



41.5405, 0.2656, 0.2543

# Split Complementary

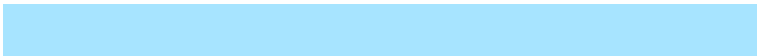
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3588, 0.3024, 0.2762



72.3588, 0.3547, 0.3941



72.3588, 0.2493, 0.2762

# Square

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



72.3588, 0.3547, 0.3941



72.3588, 0.2571, 0.3313



72.3588, 0.2697, 0.2690



72.3588, 0.3710, 0.3228



# Rectangle

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



72.3588, 0.3547, 0.3941



72.3588, 0.2953, 0.3760



72.3588, 0.2697, 0.2690



72.3588, 0.3275, 0.2879

# Sweetspot

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



72.3621, 0.3547, 0.3941



98.1279, 0.3247, 0.3478



46.0651, 0.3690, 0.3256



20.9314, 0.3270, 0.3514



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.



72.3621, 0.3547, 0.3941



93.1483, 0.3639, 0.4081



69.8104, 0.3330, 0.4020



16.6915, 0.3269, 0.3511



38.2276, 0.4280, 0.4984



2.8618, 0.4266, 0.4995



# Inverse Universe

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



41.5405, 0.2656, 0.2543



46.4880, 0.2537, 0.2353



43.7729, 0.2872, 0.2551



13.9982, 0.2980, 0.3059



3.4217, 0.1509, 0.0631

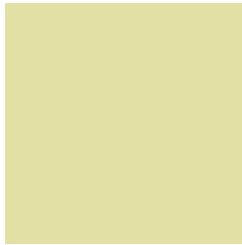


0.2925, 0.1533, 0.0718



# Previews

## White Background



This preview shows how the Yxy color 72.3588, 0.3547, 0.3941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

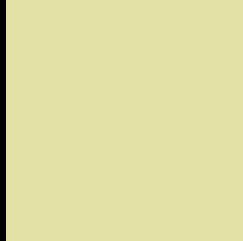
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3588, 0.3547, 0.3941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

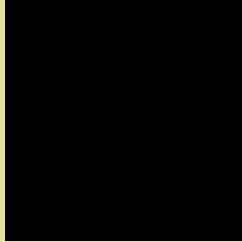
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

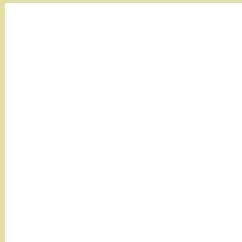
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3588, 0.3547, 0.3941**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3588, 0.3547, 0.3941.



This preview shows how white text looks on a background with the Yxy color 72.3588, 0.3547, 0.3941.

# 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

72.3588, 0.3547, 0.3941

### Protanopia

72.3978, 0.3639, 0.3905

### Deuteranopia

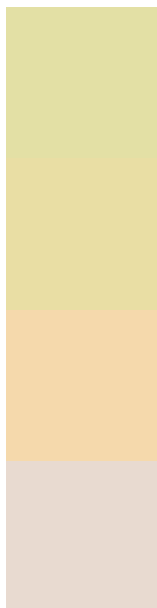
71.9831, 0.3718, 0.3673



## Tritanopia

72.0892, 0.3157, 0.3112

# Trichromacy



## Original Color

72.3588, 0.3547, 0.3941

## Protanomaly

72.2465, 0.3605, 0.3921

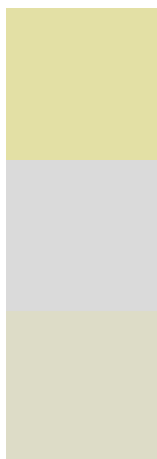
## Deuteranomaly

72.0167, 0.3657, 0.3767

## Tritanomaly

71.8527, 0.3298, 0.3398

# Monochromacy



## Original Color

72.3588, 0.3547, 0.3941

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.6821, 0.3276, 0.3523

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  72.3588, 0.3547, 0.3941 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(227, 224, 165)` looks like.

```
.text, #text, p{  
    color:rgb(227, 224, 165)  
}
```

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(227, 224, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 224, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3588, 0.3547, 0.3941 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(227, 224, 165) }
```

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

```
.border{ border-color:rgb(227, 224, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 224, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 224, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 224, 165);  
box-shadow:4px 4px 4px 4px rgb(227, 224,  
165) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.3588, 0.3547, 0.3941$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 224, 165) }
```

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

```
.background{ background-color: rgb(227,  
224, 165) }
```

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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