

# Converting Colors

$Y_{xy}(72.7869, 0.3548, 0.3973)$

Have a look what the booklet for  
Yxy(72.7869, 0.3548, 0.3973)  
contains.

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# Color

**Yxy(72.6635, 0.3550, 0.3975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E1A3
RGB	226, 225, 163
RGB Percent	89%, 88%, 64%
CMY	0.1138, 0.1176, 0.3609
CMYK	0.00, 0.00, 0.28, 0.11
HSL	59°, 52%, 76%
HSV	59°, 28%, 89%
XYZ	64.8944, 72.6635, 45.2433
YIQ	218.2310, 20.4980, -19.0700

# Conversions

## Conversions Part 2

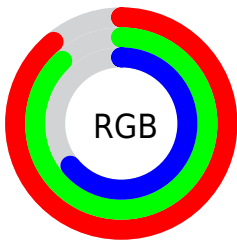
Format	Color
<b>RYB</b>	164, 226, 163
Decimal	14868899
CIELab	88.29, -9.24, 30.56
CIELCh	88, 31.927, 106.814
Yxy	72.6635, 0.3550, 0.3975
Android (android.graphics.Color)	4293058979 (0xFFE2E1A3)
YUV	218.2310, -27.2289, 6.8134
Hunter-Lab	85.2429, -13.2850, 28.2014

# Details

The Yxy color **72.6635, 0.3550, 0.3975** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.8064, 0.2642, 0.2499**, and the grayscale version is **70.4587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **38.4432, 0.3639, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **71.7396, 0.3699, 0.4215**, and if you desaturate by 10%, it is **73.7390, 0.3397, 0.3727**.

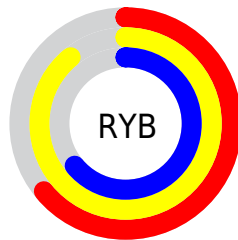
# Distribution



Red (89%)

Green (88%)

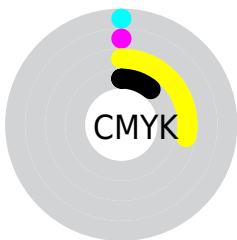
Blue (64%)



Red (64%)

Yellow (89%)

Blue (64%)

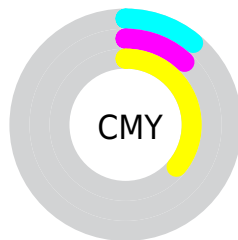


Cyan (0%)

Magenta (0%)

Yellow (28%)

Black (11%)



Cyan (11%)

Magenta (12%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6635, 0.3550, 0.3975 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 72.6635, 0.3550, 0.3975 by changing the saturation by 10% instead.





 72.6635, 0.3550,  
0.3975


 72.6635, 0.3550,  
0.3975

469.8477, 0.3360,  
0.3654

 53.7009, 0.3592,  
0.4048


 122.9994, 0.3485,  
0.3863

 38.3626, 0.3642,  
0.4139


 155.1414, 0.3460,  
0.3820

 26.2642, 0.3703,  
0.4253


192.4454, 0.3438,  
0.3783

 17.0214, 0.3779,  
0.4401

235.2956, 0.3418,  
0.3750

 10.2497, 0.3873,  
0.4598

284.0766, 0.3401,  
0.3722

 5.5649, 0.3988,  
0.4869

339.1727, 0.3386,

 2.5823, 0.4328,

0.3697

0.5527

400.9683, 0.3372,  
0.3674

0.9178, 0.4133,  
0.5867

0.0000, 0.0000,  
0.0000

72.6635, 0.3550,  
0.3975

72.6635, 0.3550,  
0.3975

71.7396, 0.3699,  
0.4215

73.7390, 0.3397,  
0.3727

70.9499, 0.3839,  
0.4439


74.9635, 0.3244,  
0.3480


70.2892, 0.3962,  
0.4635

76.3470, 0.3096,  
0.3240


69.7481, 0.4064,  
0.4796

77.8956, 0.2957,  
0.3012


 69.3160, 0.4141,  
0.4915

 78.1903, 0.2947,  
0.3000


 68.9804, 0.4191,  
0.4990

 78.3809, 0.2947,  
0.3003

 68.7241, 0.4216,  
0.5026

 78.5718, 0.2947,  
0.3007

 68.6742, 0.4221,  
0.5031

 78.7632, 0.2947,  
0.3011

 78.9549, 0.2947,  
0.3014

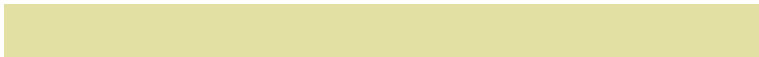
# Harmonies

## Analogous

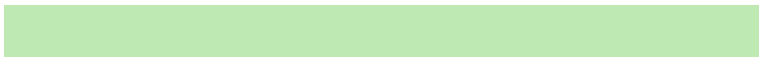
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6635, 0.3816, 0.3826



72.6635, 0.3550, 0.3975



72.6635, 0.3180, 0.3924

# Triad

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



72.6635, 0.3550, 0.3975



72.6635, 0.2416, 0.2952



72.6635, 0.3428, 0.2951

# Complementary

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



72.6635, 0.3550, 0.3975



39.8064, 0.2642, 0.2499

# Split Complementary

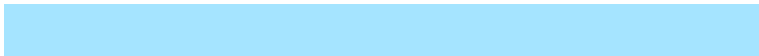
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6635, 0.3037, 0.2746



72.6635, 0.3550, 0.3975



72.6635, 0.2471, 0.2731

# Square

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



72.6635, 0.3550, 0.3975



72.6635, 0.2535, 0.3295



72.6635, 0.2691, 0.2664



72.6635, 0.3750, 0.3239



# Rectangle

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



72.6635, 0.3550, 0.3975



72.6635, 0.2927, 0.3770



72.6635, 0.2691, 0.2664



72.6635, 0.3299, 0.2871

# Sweetspot

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



72.6668, 0.3550, 0.3975



98.5545, 0.3247, 0.3484



45.0334, 0.3725, 0.3279



21.0398, 0.3270, 0.3521



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.



72.6668, 0.3550, 0.3975



94.8894, 0.3631, 0.4105



68.7004, 0.3319, 0.4040



15.9914, 0.3268, 0.3518



39.2022, 0.4220, 0.5031



2.7291, 0.4216, 0.5035



# Inverse Universe

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



39.8064, 0.2642, 0.2499



45.4224, 0.2533, 0.2320



43.0701, 0.2883, 0.2539



13.2770, 0.2980, 0.3051



3.1915, 0.1503, 0.0610

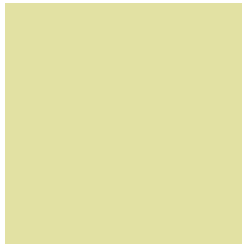


0.2334, 0.1511, 0.0640



# Previews

## White Background



This preview shows how the Yxy color 72.6635, 0.3550, 0.3975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

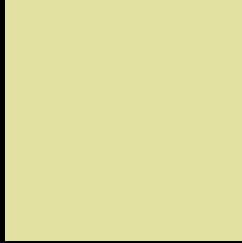
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6635, 0.3550, 0.3975 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

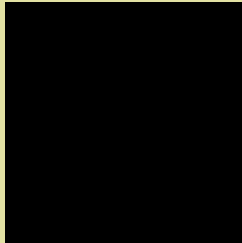
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

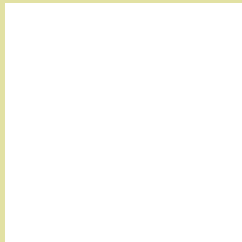
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6635, 0.3550, 0.3975**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6635, 0.3550, 0.3975.



This preview shows how white text looks on a background with the Yxy color 72.6635, 0.3550, 0.3975.

# 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

72.6635, 0.3550, 0.3975

### Protanopia

72.4633, 0.3668, 0.3935

### Deuteranopia

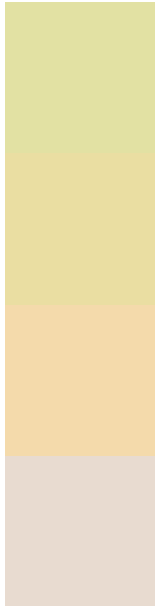
72.4877, 0.3715, 0.3683



## Tritanopia

72.6571, 0.3150, 0.3113

# Trichromacy



## Original Color

72.6635, 0.3550, 0.3975

## Protanomaly

72.3436, 0.3627, 0.3941

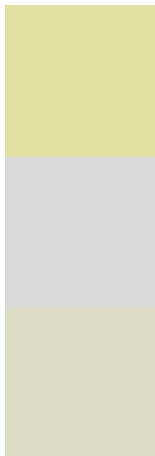
## Deuteranomaly

72.3162, 0.3654, 0.3789

## Tritanomaly

72.3729, 0.3297, 0.3409

# Monochromacy



## Original Color

72.6635, 0.3550, 0.3975

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.1623, 0.3282, 0.3545

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6635, 0.3550, 0.3975 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, 225, 163)` looks like.

```
.text, #text, p{  
    color:rgb(226, 225, 163)  
}
```

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, 225, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 225, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6635, 0.3550, 0.3975 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, 225, 163) }
```

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

```
.border{ border-color:rgb(226, 225, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 225, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 225, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 225, 163);  
box-shadow:4px 4px 4px 4px rgb(226, 225,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6635, 0.3550, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 225, 163) }
```

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

```
.background{ background-color: rgb(226,  
225, 163) }
```

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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