

# Converting Colors

$Y_{xy}(72.0653, 0.3850, 0.4295)$

Have a look what the booklet for  
Yxy(72.0653, 0.3850, 0.4295)  
contains.

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# Color

**Yxy(72.0225, 0.3848, 0.4290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBDF81
RGB	235, 223, 129
RGB Percent	92%, 87%, 51%
CMY	0.0786, 0.1254, 0.4942
CMYK	0.00, 0.05, 0.45, 0.08
HSL	53°, 73%, 71%
HSV	53°, 45%, 92%
XYZ	64.6020, 72.0225, 31.2601
YIQ	215.8720, 37.3260, -26.6900

# Conversions

## Conversions Part 2

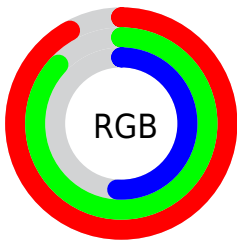
Format	Color
<a href="#">RYB</a>	<a href="#">143, 235, 129</a>
Decimal	<a href="#">15458177</a>
CIELab	<a href="#">87.98, -8.57, 47.34</a>
CIELCh	<a href="#">88, 48.106, 100.265</a>
Yxy	<a href="#">72.0225, 0.3848, 0.4290</a>
Android (android.graphics.Color)	<a href="#">4293648257 (0xFFEBDF81)</a>
YUV	<a href="#">215.8720, -42.8279, 16.7753</a>
Hunter-Lab	<a href="#">84.8661, -12.6373, 37.5670</a>

# Details

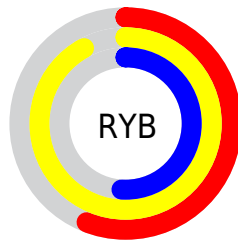
The Yxy color **72.0225, 0.3848, 0.4290** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.6929, 0.2302, 0.2037**, and the grayscale version is **68.8541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **37.8882, 0.3988, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **70.0665, 0.3999, 0.4483**, and if you desaturate by 10%, it is **74.1509, 0.3687, 0.4076**.

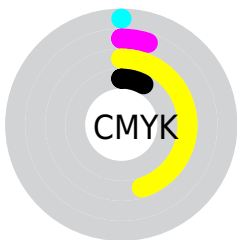
# Distribution



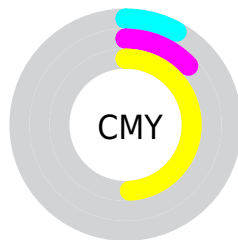
- Red (92%)
- Green (87%)
- Blue (51%)



- Red (56%)
- Yellow (92%)
- Blue (51%)



- Cyan (0%)
- Magenta (5%)
- Yellow (45%)
- Black (8%)




- Cyan (8%)
- Magenta (13%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0225, 0.3848, 0.4290 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 72.0225, 0.3848, 0.4290 by changing the saturation by 10% instead.





 72.0225, 0.3848,  
0.4290


 72.0225, 0.3848,  
0.4290


467.6199, 0.3530,  
0.3831

 53.1771, 0.3914,  
0.4391

 122.0885, 0.3743,  
0.4133

 37.9441, 0.3991,  
0.4512


 154.0779, 0.3700,  
0.4072

 25.9393, 0.4080,  
0.4658


 191.2173, 0.3663,  
0.4018

 16.7783, 0.4182,  
0.4838

233.8913, 0.3630,  
0.3971

 10.0765, 0.4292,  
0.5055

282.4841, 0.3601,  
0.3930

 5.4497, 0.4499,  
0.5438

337.3803, 0.3575,

 2.5135, 0.4423,

0.3893

0.5577

398.9640, 0.3551,  
0.3860

0.8834, 0.4164,  
0.5836

0.0000, 0.0000,  
0.0000

72.0225, 0.3848,  
0.4290

72.0225, 0.3848,  
0.4290

70.0665, 0.3999,  
0.4483

74.1509, 0.3687,  
0.4076

68.2629, 0.4134,  
0.4644


76.4510, 0.3522,  
0.3851

66.6037, 0.4247,  
0.4766

78.9343, 0.3360,  
0.3624


65.0756, 0.4332,  
0.4843


81.6088, 0.3204,  
0.3401

 63.6625, 0.4389,  
0.4876


 84.4817, 0.3056,  
0.3187

 63.0002, 0.4410,  
0.4881

 86.5581, 0.3005,  
0.3129

 88.1199, 0.3005,  
0.3156

 89.7046, 0.3005,  
0.3182

 91.3121, 0.3005,  
0.3209

# Harmonies

## Analogous

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



72.0225, 0.4210, 0.3981



72.0225, 0.3848, 0.4290



72.0225, 0.3311, 0.4322

# Triad

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



72.0225, 0.3848, 0.4290



72.0225, 0.2105, 0.2861



72.0225, 0.3446, 0.2717

# Complementary

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



72.0225, 0.3848, 0.4290



29.6929, 0.2302, 0.2037

# 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.



72.0225, 0.2858, 0.2459



72.0225, 0.3848, 0.4290



72.0225, 0.2132, 0.2506

# Square

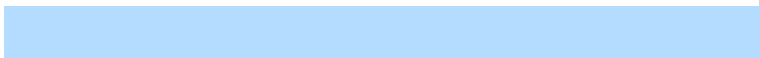
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0225, 0.3848, 0.4290



72.0225, 0.2319, 0.3410



72.0225, 0.2392, 0.2378



72.0225, 0.3984, 0.3101



# Rectangle

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



72.0225, 0.3848, 0.4290



72.0225, 0.2931, 0.4135



72.0225, 0.2392, 0.2378



72.0225, 0.3246, 0.2614

# Sweetspot

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



72.0258, 0.3848, 0.4290



95.3690, 0.3343, 0.3600



35.2870, 0.4194, 0.3154



20.2690, 0.3378, 0.3649



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.



72.0258, 0.3848, 0.4290



84.5630, 0.3987, 0.4467



72.4964, 0.3493, 0.4523



17.3200, 0.3271, 0.3497



35.1931, 0.4406, 0.4884



2.8461, 0.4372, 0.4910



# Inverse Universe

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



29.6929, 0.2302, 0.2037



27.7499, 0.2116, 0.1737



30.1961, 0.2590, 0.1988



14.8223, 0.2980, 0.3074



3.8532, 0.1523, 0.0682



0.3932, 0.1572, 0.0857



# Previews

## White Background



This preview shows how the Yxy color 72.0225, 0.3848, 0.4290 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 72.0225, 0.3848, 0.4290 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 72.0225, 0.3848, 0.4290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0225, 0.3848, 0.4290.



This preview shows how white text looks on a background with the Yxy color 72.0225, 0.3848, 0.4290.

# 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

72.0225, 0.3848, 0.4290

### Protanopia

72.1487, 0.3919, 0.4260

### Deuteranopia

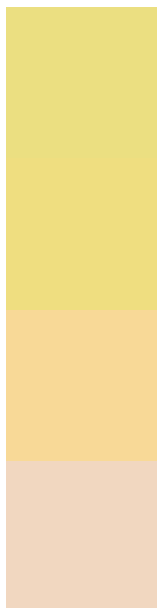
72.0335, 0.3804, 0.3806



## Tritanopia

71.6024, 0.3261, 0.3116

# Trichromacy



## Original Color

72.0225, 0.3848, 0.4290

## Protanomaly

72.1518, 0.3890, 0.4278

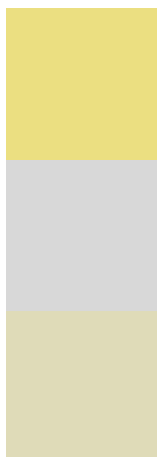
## Deuteranomaly

71.8165, 0.3830, 0.3980

## Tritanomaly

71.1074, 0.3485, 0.3536

# Monochromacy



## Original Color

72.0225, 0.3848, 0.4290

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.8117, 0.3396, 0.3681

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0225, 0.3848, 0.4290 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(235, 223, 129)` looks like.

```
.text, #text, p{  
    color:rgb(235, 223, 129)  
}
```

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(235, 223, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 223, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0225, 0.3848, 0.4290 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(235, 223, 129) }
```

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

```
.border{ border-color:rgb(235, 223, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 223, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 223, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 223, 129); box-shadow:4px 4px 4px 4px rgb(235, 223, 129) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0225, 0.3848, 0.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 223, 129) }
```

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

```
.background{ background-color: rgb(235,  
223, 129) }
```

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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