

# Converting Colors

YUV(237.4300, -2.1840, 0.4999)

Have a look what the booklet for  
YUV(237.4300, -2.1840, 0.4999)  
contains.

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# Color

**YUV(237.4300, -2.1840,  
0.4999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEEE9
RGB	238, 238, 233
RGB Percent	93%, 93%, 91%
CMY	0.0667, 0.0667, 0.0863
CMYK	0.00, 0.00, 0.02, 0.07
HSL	60°, 13%, 92%
HSV	60°, 2%, 93%
XYZ	80.5424, 85.2094, 89.2928
YIQ	237.4300, 1.6050, -1.5550

# Conversions

## Conversions Part 2

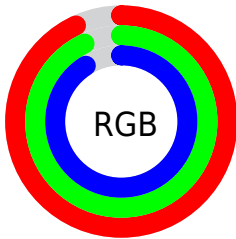
Format	Color
R <sub>Y</sub> B	233, 238, 233
Decimal	15658729
CIE Lab	93.97, -0.87, 2.40
CIE LCh	94, 2.558, 109.948
Yxy	85.2094, 0.3158, 0.3341
Android (android.graphics.Color)	4293848809 (0xFFEEEE9)
YUV	237.4300, -2.1840, 0.4999
Hunter-Lab	92.3089, -5.7939, 7.2635

# Details

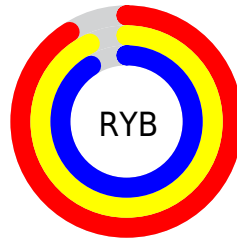
The YUV color  $237.4300, -2.1840, 0.4999$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $233.5700, 2.1840, -0.4999$ , and the grayscale version is  $237.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $181.4300, -2.1840, 0.4999$  is the 20% darker color. If you saturate the color by 10%, you get  $234.6940, -12.6671, 2.8994$ , and if you desaturate by 10%, it is  $239.9380, 7.4256, -1.6996$ .

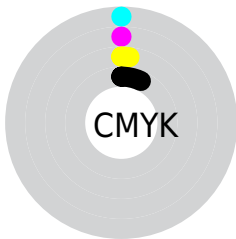
# Distribution



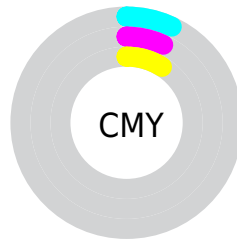
- Red (93%)
- Green (93%)
- Blue (91%)



- Red (91%)
- Yellow (93%)
- Blue (91%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 237.4300, -2.1840, 0.4999 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 YUV color 237.4300, -2.1840, 0.4999 by changing the saturation by 10% instead.



■ 237.4300, -2.1840,  
0.4999

■ 237.4300, -2.1840,  
0.4999

255.0000, 0.0000,  
0.0000

■ 209.4300, -2.1840,  
0.4999

■ 181.4300, -2.1840,  
0.4999

■ 154.5440, -1.7472,  
0.3999

■ 128.5440, -1.7472,  
0.3999

■ 103.5440, -1.7472,  
0.3999

■ 79.5440, -1.7472,  
0.3999

■ 56.5440, -1.7472,

0.3999

■ 35.5440, -1.7472,  
0.3999

■ 13.4300, -2.1840,  
0.4999

■ 237.4300, -2.1840,  
0.4999

■ 237.4300, -2.1840,  
0.4999

■ 234.6940,  
-12.6671, 2.8994

■ 239.9380, 7.4256,  
-1.6996

■ 231.9580,  
-23.1503, 5.2988

■ 229.3360,  
-33.1966, 7.5983

■ 226.6000,  
-43.6798, 9.9978

■ 223.8640,  
-54.1630, 12.3973

■ 221.1280,  
-64.6461, 14.7967

■ 218.3920,  
-75.1293, 17.1962

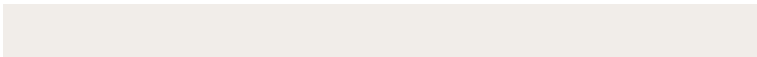
■ 215.7700,  
-85.1756, 19.4957

■ 213.0340,  
-95.6588, 21.8952

# Harmonies

## Analogous

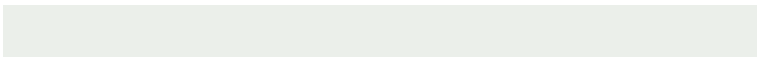
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



237.7400, -2.3368, 2.8590



237.4300, -2.1840, 0.4999



237.2340, -1.5944, -1.9592

# Triad

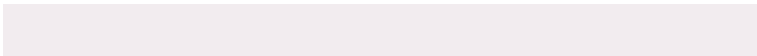
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237.4300, -2.1840, 0.4999



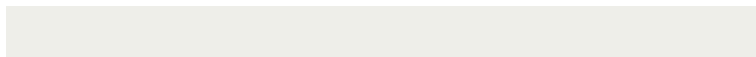
237.1350, 1.9054, -4.5034



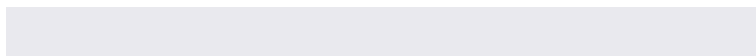
238.1360, 0.4260, 3.3887

# Complementary

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



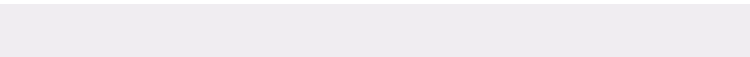
237.4300, -2.1840, 0.4999



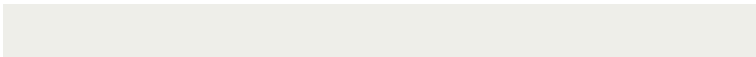
233.5700, 2.1840, -0.4999

# Split Complementary

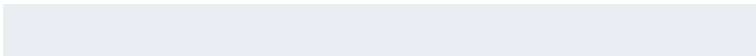
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



238.3530, 1.3050, 1.4444



237.4300, -2.1840, 0.4999



237.2600, 2.3368, -2.8590

# Square

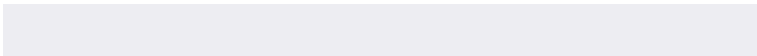
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



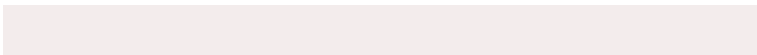
237.4300, -2.1840, 0.4999



236.9070, 1.0318, -4.3034



237.5700, 2.1840, -0.4999



238.0930, -1.0318, 4.3034

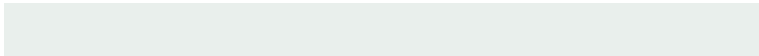


# Rectangle

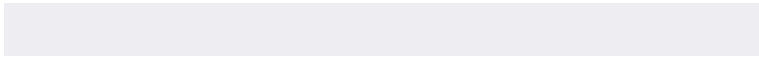
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



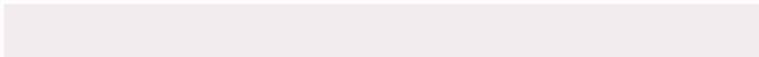
237.4300, -2.1840, 0.4999



236.8640, -0.4260, -3.3887



237.5700, 2.1840, -0.4999



238.1360, 0.4260, 3.3887

# Sweetspot

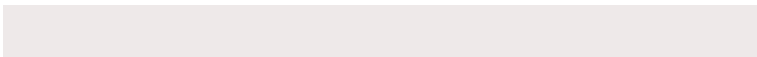
The Sweet Spot groups the original color and five complimentary colors.



237.4300, -2.1840, 0.4999



254.6580, -1.3104, 0.2999



234.4950, -0.7370, 3.0739



127.7720, -0.8736, 0.2000



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000

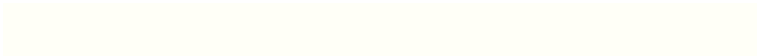


# Same Dimension

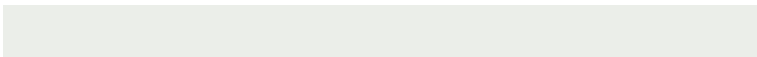
The Same Dimension uses a secret algorithm to generate beautiful new colors.



237.4300, -2.1840, 0.4999



254.0880, -3.4944, 0.7998



236.5330, -1.7418, -1.3444



119.4300, -2.1840, 0.4999



163.0240, -80.3708, 18.3960

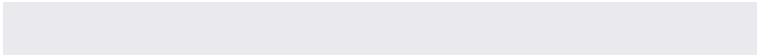


49.6160, -24.4607, 5.5988



# Inverse Universe

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



233.5700, 2.1840, -0.4999



247.9120, 3.4944, -0.7998



234.1680, 1.8892, 0.7297



115.5700, 2.1840, -0.4999



20.9760, 80.3708, -18.3960

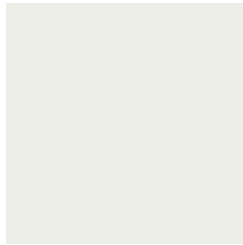


6.3840, 24.4607, -5.5988



# Previews

## White Background



This preview shows how the YUV color 237.4300, -2.1840, 0.4999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

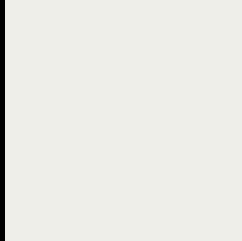
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 237.4300, -2.1840, 0.4999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

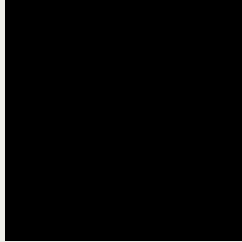
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

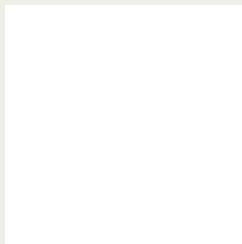
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 237.4300, -2.1840, 0.4999

## Background



This preview shows how black text looks on a background with the YUV color 237.4300, -2.1840, 0.4999.



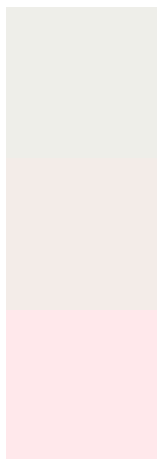
This preview shows how white text looks on a background with the YUV color 237.4300, -2.1840,

0.4999.

# 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

237.4300, -2.1840, 0.4999

### Protanopia

237.6370, -2.7790, 4.7034

### Deuteranopia

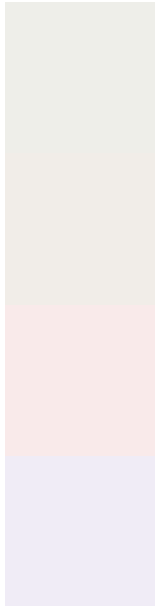
239.2190, -2.0800, 13.8399



## Tritanopia

238.8460, 6.9779, 1.8891

# Trichromacy



## Original Color

237.4300, -2.1840, 0.4999

## Protanomaly

237.6260, -2.7736, 2.9590

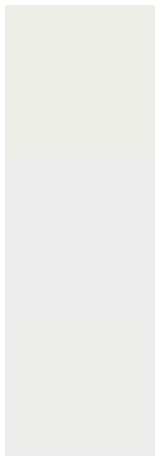
## Deuteranomaly

238.4850, -2.2111, 9.2217

## Tritanomaly

238.3360, 3.7784, 1.4593

# Monochromacy



## Original Color

237.4300, -2.1840, 0.4999

## Achromatopsia

237.0000, 0.0000, 0.0000

## Achromatomaly

236.8860, -0.4368, 0.1000

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 237.4300, -2.1840, 0.4999 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(238, 238, 233)` looks like.

```
.text, #text, p{  
    color:rgb(238, 238, 233)  
}
```

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(238, 238, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 238, 233) }
```

## Border

The CSS property to change the border of an element to YUV 237.4300, -2.1840, 0.4999 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(238, 238, 233) }
```



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

```
.border{ border-color:rgb(238, 238, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 238, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(238, 238,  
233) }
```

# Background

The CSS property to change the background color of an element to YUV 237.4300, -2.1840, 0.4999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 238, 233) }
```

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

```
.background{ background-color: rgb(238,  
238, 233) }
```

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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