

# Converting Colors

YUV(232.7720, -0.8736, 0.2000)

Have a look what the booklet for  
YUV(232.7720, -0.8736, 0.2000)  
contains.

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# Color

**YUV(232.7720, -0.8736,  
0.2000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E9E7
RGB	233, 233, 231
RGB Percent	91%, 91%, 91%
CMY	0.0863, 0.0863, 0.0941
CMYK	0.00, 0.00, 0.01, 0.09
HSL	60°, 4%, 91%
HSV	60°, 1%, 91%
XYZ	77.1670, 81.3710, 87.2403
YIQ	232.7720, 0.6420, -0.6220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 233, 231
Decimal	15329767
CIE Lab	92.30, -0.35, 0.96
CIE LCh	92, 1.021, 110.025
Yxy	81.3710, 0.3140, 0.3311
Android (android.graphics.Color)	4293519847 (0xFFE9E9E7)
YUV	232.7720, -0.8736, 0.2000
Hunter-Lab	90.2059, -5.1617, 5.8033

# Details

The YUV color  $232.7720, -0.8736, 0.2000$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $231.2280, 0.8736, -0.2000$ , and the grayscale version is  $233.0000, 0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, 0.0000, 0.0000$ , and  $176.7720, -0.8736, 0.2000$  is the 20% darker color. If you saturate the color by 10%, you get  $230.1500, -10.9199, 2.4995$ , and if you desaturate by 10%, it is  $235.3940, 9.1728, -2.0995$ .

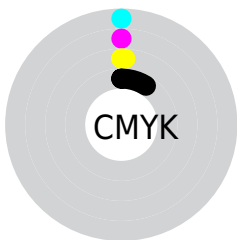
# Distribution



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



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the YUV color 232.7720, -0.8736, 0.2000 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 232.7720, -0.8736, 0.2000 by changing the saturation by 10% instead.



■ 232.7720, -0.8736,  
0.2000

■ 232.7720, -0.8736,  
0.2000

255.0000, 0.0000,  
0.0000

■ 204.7720, -0.8736,  
0.2000

■ 176.7720, -0.8736,  
0.2000

■ 150.7720, -0.8736,  
0.2000

■ 124.7720, -0.8736,  
0.2000

■ 99.7720, -0.8736,  
0.2000

■ 75.7720, -0.8736,  
0.2000

■ 52.8860, -0.4368,

0.1000

■ 31.8860, -0.4368,  
0.1000

■ 8.6580, -1.3104,  
0.2999

■ 232.7720, -0.8736,  
0.2000

■ 232.7720, -0.8736,  
0.2000

■ 230.1500,  
-10.9199, 2.4995

■ 235.3940, 9.1728,  
-2.0995

■ 227.4140,  
-21.4031, 4.8989

■ 235.5080, 9.6096,  
-2.1995

■ 224.7920,  
-31.4495, 7.1984

■ 222.1700,  
-41.4958, 9.4979

■ 219.5480,  
-51.5422, 11.7974

■ 216.8120,  
-62.0253, 14.1969

■ 214.1900,  
-72.0717, 16.4964

■ 211.5680,  
-82.1180, 18.7959

■ 208.8320,  
-92.6012, 21.1953

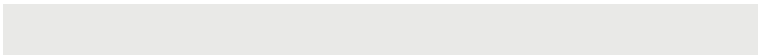
# Harmonies

## Analogous

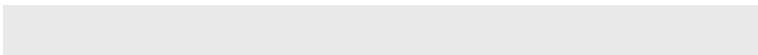
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233.0710, -1.0210, 0.8147



232.7720, -0.8736, 0.2000



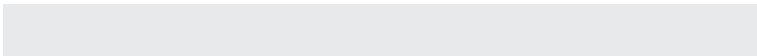
232.5870, -0.2894, -0.5148

# Triad

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



232.7720, -0.8736, 0.2000



232.5160, 0.7316, -1.3295



233.0110, -0.0054, 1.7444

# Complementary

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



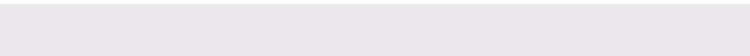
232.7720, -0.8736, 0.2000



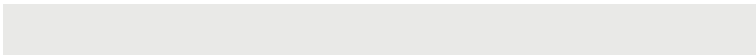
231.2280, 0.8736, -0.2000

# Split Complementary

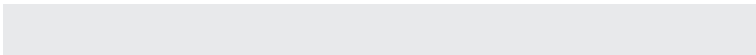
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



232.8260, 0.5788, 1.0296



232.7720, -0.8736, 0.2000



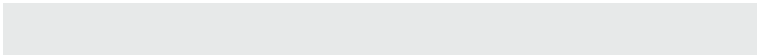
232.9290, 1.0210, -0.8147

# Square

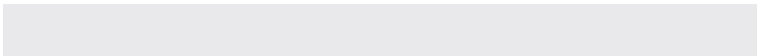
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



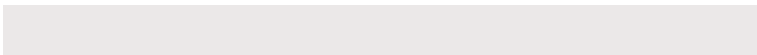
232.7720, -0.8736, 0.2000



232.4020, 0.2948, -1.2296



233.2280, 0.8736, -0.2000



232.8970, -0.4422, 1.8443

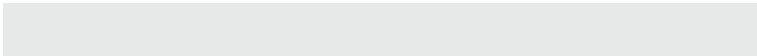


# Rectangle

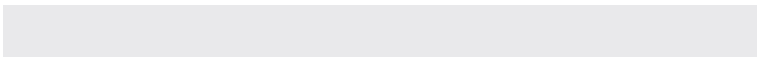
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



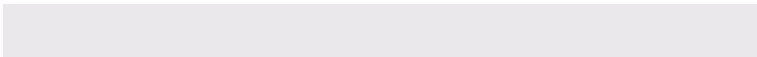
232.7720, -0.8736, 0.2000



232.2880, -0.1420, -1.1296



233.2280, 0.8736, -0.2000



232.8260, 0.5788, 1.0296

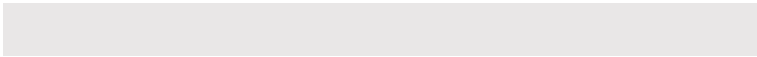
# Sweetspot

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



232.7720, -0.8736, 0.2000

255.0000, 0.0000, 0.0000



231.5980, -0.2948, 1.2296



128.0000, 0.0000, 0.0000



0.0000, 0.0000, 0.0000

# Same Dimension

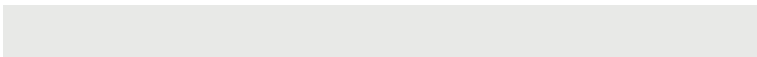
The Same Dimension uses a secret algorithm to generate beautiful new colors.



232.7720, -0.8736, 0.2000



254.6580, -1.3104, 0.2999



232.4730, -0.7262, -0.4148



116.8860, -0.4368, 0.1000



160.3660, -79.0604, 18.0960

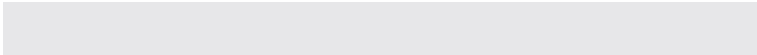


47.8440, -23.5871, 5.3988



# Inverse Universe

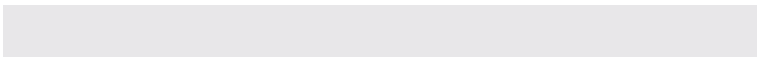
The Inverse Universe completely reimagines the original color for something new.



231.2280, 0.8736, -0.2000



252.3420, 1.3104, -0.2999



231.5270, 0.7262, 0.4148



116.1140, 0.4368, -0.1000



20.6340, 79.0604, -18.0960

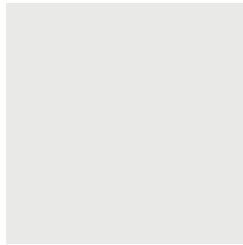


6.1560, 23.5871, -5.3988



# Previews

## White Background



This preview shows how the YUV color 232.7720, -0.8736, 0.2000 looks on a white background.

## Color Contrast Check

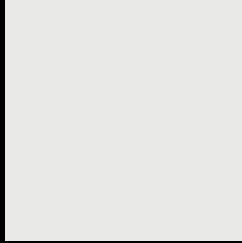
Large Text (above 18pt) WCAG AA × Fail

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 232.7720, -0.8736, 0.2000 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

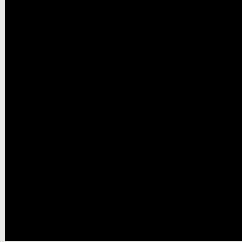
Any Text WCAG AAA ✓ Pass

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

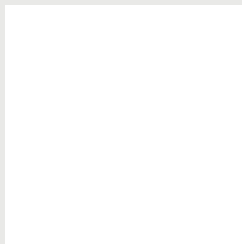


**YUV 232.7720, -0.8736, 0.2000**

## **Background**



This preview shows how black text looks on a background with the YUV color 232.7720, -0.8736, 0.2000.



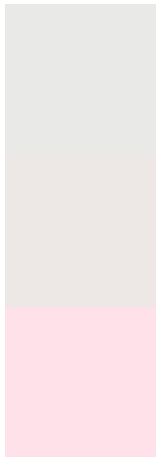
This preview shows how white text looks on a background with the YUV color 232.7720, -0.8736,

0.2000.

# 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

232.7720, -0.8736, 0.2000

### Protanopia

233.2670, -1.6106, 3.2738

### Deuteranopia

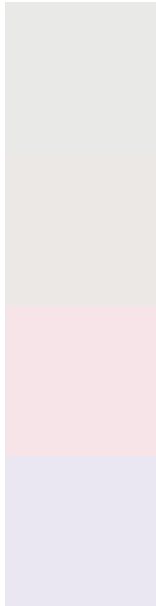
234.8820, -0.9278, 17.6435



## Tritanopia

233.8460, 6.9779, 1.8891

# Trichromacy



## Original Color

232.7720, -0.8736, 0.2000

## Protanomaly

232.9680, -1.4632, 2.6591

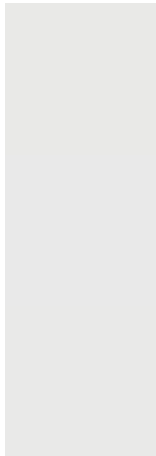
## Deuteranomaly

234.1370, -1.0535, 11.2809

## Tritanomaly

233.4500, 4.2152, 1.3594

# Monochromacy



## Original Color

232.7720, -0.8736, 0.2000

## Achromatopsia

233.0000, 0.0000, 0.0000

## Achromatomaly

232.8860, -0.4368, 0.1000

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 232.7720, -0.8736, 0.2000 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(233, 233, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 231)  
}
```

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(233, 233, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 231) }
```

## Border

The CSS property to change the border of an element to YUV 232.7720, -0.8736, 0.2000 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(233, 233, 231) }
```

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

```
.border{ border-color:rgb(233, 233, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
231) }
```



# Background

The CSS property to change the background color of an element to YUV 232.7720, -0.8736, 0.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 231) }
```

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

```
.background{ background-color: rgb(233,  
233, 231) }
```

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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