

# Converting Colors

YIQ(229.6260, 3.9890, -0.7070)

Have a look what the booklet for  
YIQ(229.6260, 3.9890, -0.7070)  
contains.

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# Color

**YIQ(229.6260, 3.9890,  
-0.7070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E5E0
RGB	233, 229, 224
RGB Percent	91%, 90%, 88%
CMY	0.0863, 0.1019, 0.1215
CMYK	0.00, 0.02, 0.04, 0.09
HSL	33°, 17%, 90%
HSV	33°, 4%, 91%
XYZ	75.0789, 78.7437, 81.7666
YIQ	229.6260, 3.9890, -0.7070

# Conversions

## Conversions Part 2

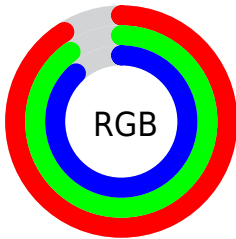
Format	Color
R <sub>Y</sub> B	231, 233, 224
Decimal	15328736
CIE Lab	91.12, 0.48, 2.90
CIE LCh	91, 2.937, 80.526
Yxy	78.7437, 0.3187, 0.3342
Android (android.graphics.Color)	4293518816 (0xFFE9E5E0)
YUV	229.6260, -2.7736, 2.9590
Hunter-Lab	88.7376, -4.2661, 7.4841

# Details

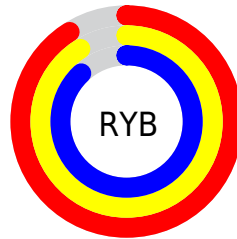
The YIQ color  $229.6260, 3.9890, -0.7070$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $227.3740, -3.9890, 0.7070$ , and the grayscale version is  $230.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $174.3270, 3.3930, -0.9190$  is the 20% darker color. If you saturate the color by 10%, you get  $221.1340, 14.1220, -2.6300$ , and if you desaturate by 10%, it is  $238.1180, -6.1440, 1.2160$ .

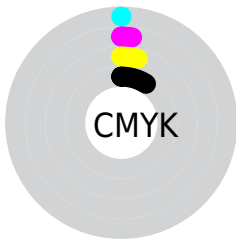
# Distribution



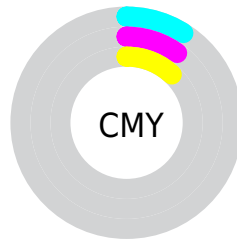
- Red (91%)
- Green (90%)
- Blue (88%)



- Red (91%)
- Yellow (91%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 229.6260, 3.9890, -0.7070 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 YIQ color 229.6260, 3.9890, -0.7070 by changing the saturation by 10% instead.



■ 229.6260, 3.9890,  
-0.7070

■ 229.6260, 3.9890,  
-0.7070

255.0000, -0.0000,  
-0.0000

■ 201.6260, 3.9890,  
-0.7070

■ 174.3270, 3.3930,  
-0.9190

■ 147.6260, 3.9890,  
-0.7070

■ 121.7400, 3.6680,  
-0.3960

■ 97.3270, 3.3930,  
-0.9190

■ 73.4410, 3.0720,  
-0.6080

■ 50.5550, 2.7510,

-0.2970

■ 29.5550, 2.7510,  
-0.2970

■ 4.7400, 3.6680,  
-0.3960

■ 229.6260, 3.9890,  
-0.7070

■ 229.6260, 3.9890,  
-0.7070

■ 221.1340, 14.1220,  
-2.6300

■ 238.1180, -6.1440,  
1.2160

■ 211.9410, 24.8510,  
-4.3410

■ 245.4870,  
-11.7370, -2.0490

■ 203.4490, 34.9840,  
-6.2640

■ 248.4220,  
-13.1120, -4.6640

■ 194.9570, 45.1170,  
-8.1870

■ 185.8780, 55.5250,  
-9.5870

■ 177.2720, 65.9790,  
-11.8210

■ 168.7800, 76.1120,  
-13.7440

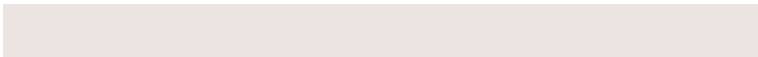
■ 159.7010, 86.5200,  
-15.1440

■ 151.0950, 96.9740,  
-17.3780

# Harmonies

## Analogous

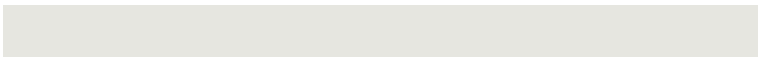
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



229.7510, 5.1350, 0.5510



229.6260, 3.9890, -0.7070



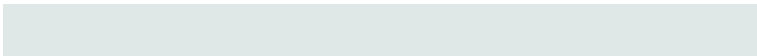
229.3160, 1.9260, -1.8660

# Triad

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



229.6260, 3.9890, -0.7070



228.6080, -4.7680, -1.6960



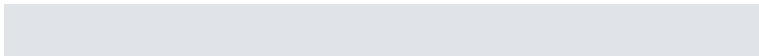
229.7660, 0.7790, 2.4030

# Complementary

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



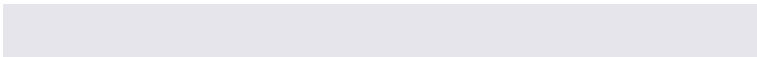
229.6260, 3.9890, -0.7070



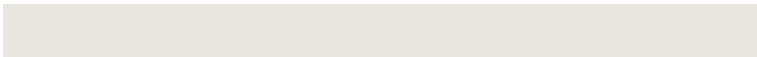
227.3740, -3.9890, 0.7070

# 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.



229.6840, -1.9260, 1.8660



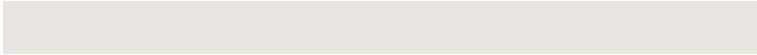
229.6260, 3.9890, -0.7070



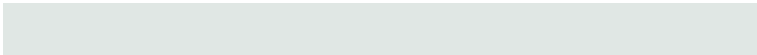
229.2490, -5.1350, -0.5510

# Square

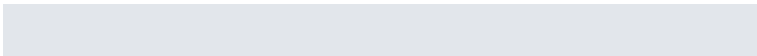
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



229.6260, 3.9890, -0.7070



228.5650, -3.2090, -2.4170



229.3740, -3.9890, 0.7070

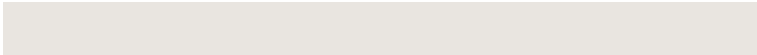


230.4350, 3.2090, 2.4170



# Rectangle

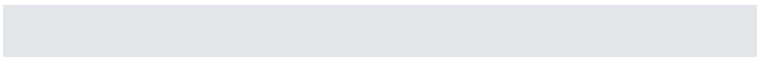
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



229.6260, 3.9890, -0.7070



228.8320, 0.4130, -1.9790



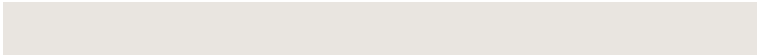
229.3740, -3.9890, 0.7070



230.1680, -0.4130, 1.9790

# Sweetspot

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



229.6260, 3.9890, -0.7070



254.0710, 1.2380, -0.4100



227.1470, 4.0800, 3.1520



127.1850, 0.9170, -0.0990



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.



229.6260, 3.9890, -0.7070



249.9960, 5.8230, -0.9050



231.9740, 2.8890, -2.7990



114.4410, 3.0720, -0.6080



113.4060, 80.1010, -14.4510

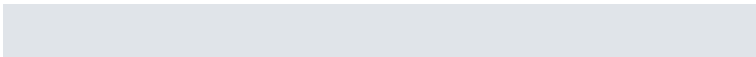


33.7560, 23.9340, -4.2420

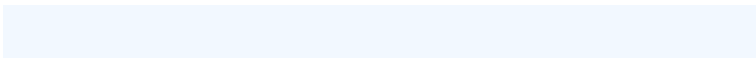


# Inverse Universe

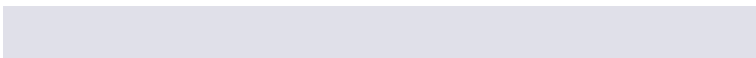
The Inverse Universe completely reimagines the original color for something new.



227.3740, -3.9890, 0.7070



247.0040, -5.8230, 0.9050



225.0260, -2.8890, 2.7990



112.5590, -3.0720, 0.6080



67.5940, -80.1010, 14.4510

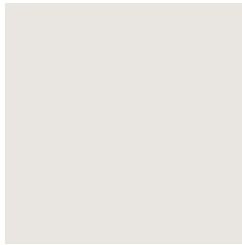


20.2440, -23.9340, 4.2420



# Previews

## White Background



This preview shows how the YIQ color 229.6260, 3.9890, -0.7070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

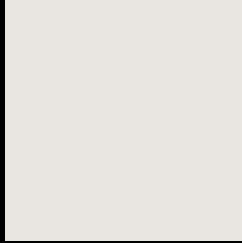
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 229.6260, 3.9890, -0.7070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

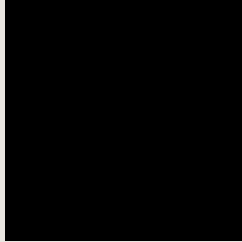
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

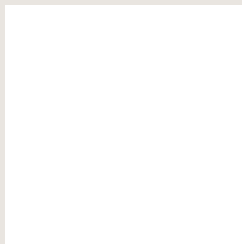
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 229.6260, 3.9890, -0.7070**

## **Background**



This preview shows how black text looks on a background with the YIQ color 229.6260, 3.9890, -0.7070.



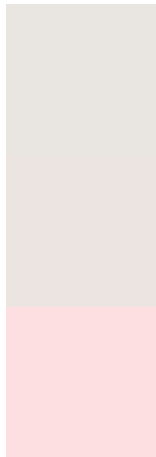
This preview shows how white text looks on a background with the YIQ color 229.6260, 3.9890, -0.7070.

-0.7070.

# 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

229.6260, 3.9890, -0.7070

### Protanopia

229.6370, 5.4560, 0.2400

### Deuteranopia

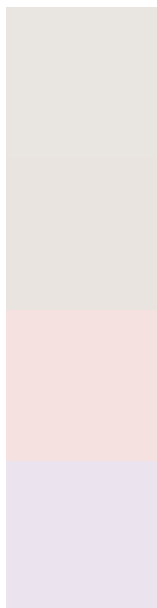
231.6110, 17.5130, 7.5050



## Tritanopia

231.0420, 0.1820, 7.7180

# Trichromacy



## Original Color

229.6260, 3.9890, -0.7070

## Protanomaly

229.3380, 4.8600, 0.0280

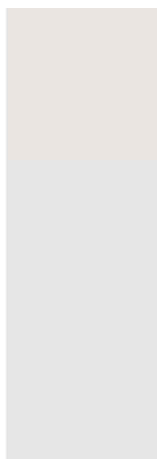
## Deuteranomaly

231.2790, 12.5160, 4.4520

## Tritanomaly

230.5320, 1.5580, 4.8060

# Monochromacy



## Original Color

229.6260, 3.9890, -0.7070

## Achromatopsia

230.0000, -0.0000, 0.0000

## Achromatomaly

230.0710, 1.2380, -0.4100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 229.6260, 3.9890, -0.7070 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, 229, 224)` looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 224)  
}
```

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, 229, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 224) }
```

## Border

The CSS property to change the border of an element to YIQ 229.6260, 3.9890, -0.7070 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, 229, 224) }
```



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

```
.border{ border-color:rgb(233, 229, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 229, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 224);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
224) }
```

# Background

The CSS property to change the background color of an element to YIQ 229.6260, 3.9890, -0.7070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 224) }
```

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

```
.background{ background-color: rgb(233,  
229, 224) }
```

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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