

# Converting Colors

YIQ(224.4930, -2.7060, 4.9900)

Have a look what the booklet for  
YIQ(224.4930, -2.7060, 4.9900)  
contains.

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# Color

**YIQ(224.4930, -2.7060,  
4.9900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1DEEC
RGB	225, 222, 236
RGB Percent	88%, 87%, 93%
CMY	0.1176, 0.1294, 0.0745
CMYK	0.05, 0.06, 0.00, 0.07
HSL	253°, 27%, 90%
HSV	253°, 6%, 93%
XYZ	72.3131, 74.3059, 89.8839
YIQ	224.4930, -2.7060, 4.9900

# Conversions

## Conversions Part 2

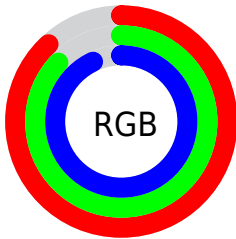
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 222, 236
Decimal	14802668
CIE Lab	89.07, 3.58, -6.47
CIE LCh	89, 7.391, 298.961
Yxy	74.3059, 0.3058, 0.3142
Android (android.graphics.Color)	4292992748 (0xFFE1DEEC)
YUV	224.4930, 5.6730, 0.4446
Hunter-Lab	86.2009, -1.1096, -1.4826

# Details

The YIQ color  $224.4930, -2.7060, 4.9900$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $233.5070, 2.7060, -4.9900$ , and the grayscale version is  $224.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $169.3790, -2.3850, 4.6790$  is the 20% darker color. If you saturate the color by 10%, you get  $204.7240, -7.4300, 13.5140$ , and if you desaturate by 10%, it is  $244.2620, 2.0180, -3.5340$ .

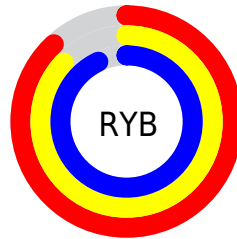
# Distribution



Red (88%)

Green (87%)

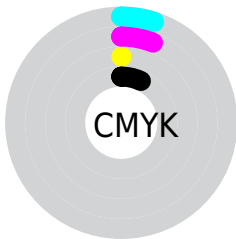
Blue (93%)



Red (88%)

Yellow (87%)

Blue (93%)

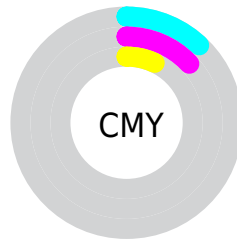


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (13%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 224.4930, -2.7060, 4.9900 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 224.4930, -2.7060, 4.9900 by changing the saturation by 10% instead.



■ 224.4930, -2.7060,  
4.9900

■ 224.4930, -2.7060,  
4.9900

255.0000, -0.0000,  
-0.0000

■ 196.4930, -2.7060,  
4.9900

■ 169.3790, -2.3850,  
4.6790

■ 142.9660, -2.6600,  
4.1560

■ 117.2650, -2.0640,  
4.3680

■ 92.8520, -2.3390,  
3.8450

■ 68.8520, -2.3390,  
3.8450

■ 46.8520, -2.3390,

3.8450

■ 25.7380, -2.0180,  
3.5340

■ 1.3680, -3.8520,  
3.7320

■ 224.4930, -2.7060,  
4.9900

■ 224.4930, -2.7060,  
4.9900

■ 204.7240, -7.4300,  
13.5140

■ 244.2620, 2.0180,  
-3.5340

■ 185.8410,  
-11.8330, 21.7270

■ 252.8340, 6.0990,  
-5.9090

■ 166.0720,  
-16.5570, 30.2510

■ 147.1890,  
-20.9600, 38.4640

■ 127.4200,  
-25.6840, 46.9880

■ 107.9500,  
-29.8120, 55.7240

■ 88.7680, -34.8110,  
63.7250

■ 69.2980, -38.9390,  
72.4610

■ 50.1160, -43.9380,  
80.4620

# Harmonies

## Analogous

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



223.2040, -9.2620, 2.6580



224.4930, -2.7060, 4.9900



225.1410, 4.2170, 6.1770

# Triad

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



224.4930, -2.7060, 4.9900



224.4590, 11.8290, 0.3810



221.4500, -10.3150, -5.7950

# Complementary

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



224.4930, -2.7060, 4.9900



233.5070, 2.7060, -4.9900

# Split Complementary

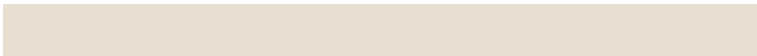
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



221.8590, -4.2170, -6.1770



224.4930, -2.7060, 4.9900



223.6110, 8.3450, -2.5590

# Square

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



224.4930, -2.7060, 4.9900



224.7520, 12.5620, 3.6180



222.5070, 2.7060, -4.9900



221.9490, -13.1580, -3.8300



# Rectangle

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



224.4930, -2.7060, 4.9900



225.2940, 8.1600, 6.3040



222.5070, 2.7060, -4.9900



221.8200, -8.4810, -5.9930

# Sweetspot

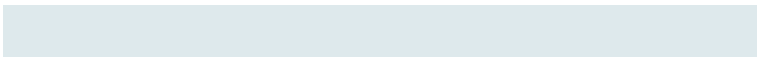
The Sweet Spot groups the original color and five complimentary colors.



224.4930, -2.7060, 4.9900



250.8690, -1.0090, 1.7670



230.0530, -7.5190, -1.3990



125.3420, -0.9630, 0.9330



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.



224.4930, -2.7060, 4.9900



240.2480, -3.3940, 6.4460



226.5860, 1.4660, 6.4740



109.6240, -1.6970, 3.2230



32.2950, -34.8570, 64.5590



9.4450, -10.7780, 19.1260



# Inverse Universe

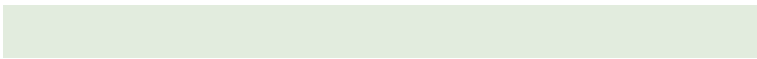
The Inverse Universe completely reimagines the original color for something new.



227.4400, 4.8130, 6.3890



243.9780, 6.2340, 8.1700



231.4140, -1.4660, -6.4740



111.4890, 3.1170, 4.0850



70.3070, 62.2940, 82.5340

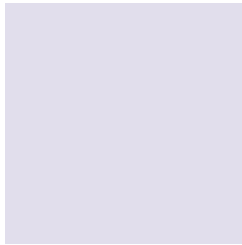


20.9340, 18.7020, 24.5100



# Previews

## White Background



This preview shows how the YIQ color 224.4930, -2.7060, 4.9900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

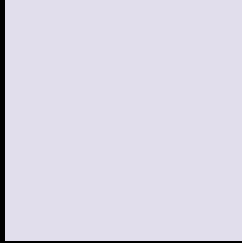
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 224.4930, -2.7060, 4.9900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

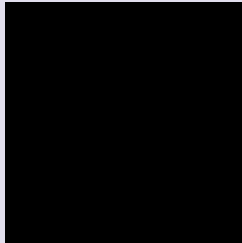
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

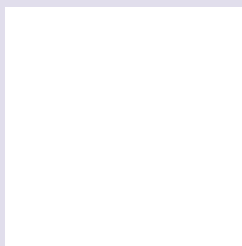
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 224.4930, -2.7060, 4.9900**

## **Background**



This preview shows how black text looks on a background with the YIQ color 224.4930, -2.7060, 4.9900.



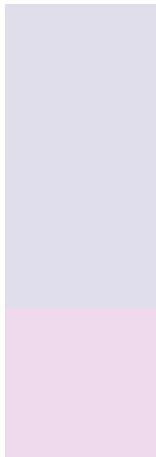
This preview shows how white text looks on a background with the YIQ color 224.4930, -2.7060,

4.9900.

# 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

224.4930, -2.7060, 4.9900

### Protanopia

224.1940, -3.3020, 4.7780

### Deuteranopia

225.8580, 6.6920, 10.8840



## Tritanopia

224.8350, -3.6690, 5.9230

# Trichromacy



## Original Color

224.4930, -2.7060, 4.9900

## Protanomaly

224.1940, -3.3020, 4.7780

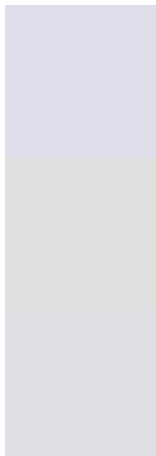
## Deuteranomaly

225.5370, 3.1620, 8.7780

## Tritanomaly

224.7210, -3.3480, 5.6120

# Monochromacy



## Original Color

224.4930, -2.7060, 4.9900

## Achromatopsia

224.0000, -0.0000, 0.0000

## Achromatomaly

223.8690, -1.0090, 1.7670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 224.4930, -2.7060, 4.9900 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(225, 222, 236)` looks like.

```
.text, #text, p{  
    color:rgb(225, 222, 236)  
}
```

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(225, 222, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 222, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 224.4930, -2.7060, 4.9900 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(225, 222, 236) }
```



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

```
.border{ border-color:rgb(225, 222, 236) }
```

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

Here you see how a box with a 4 pixel rgb(225, 222, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 222, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 222, 236);  
box-shadow:4px 4px 4px 4px rgb(225, 222,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 224.4930, -2.7060, 4.9900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 222, 236) }
```

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

```
.background{ background-color: rgb(225,  
222, 236) }
```

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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