

# Converting Colors

YIQ(240.7870, -3.7140, 1.2300)

Have a look what the booklet for  
YIQ(240.7870, -3.7140, 1.2300)  
contains.

<b>YIQ(240.7870, -3.7140, 1.2300)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(240.7870, -3.7140,  
1.2300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF1F7
RGB	238, 241, 247
RGB Percent	93%, 95%, 97%
CMY	0.0667, 0.0549, 0.0314
CMYK	0.04, 0.02, 0.00, 0.03
HSL	220°, 36%, 95%
HSV	220°, 4%, 97%
XYZ	83.5030, 87.8034, 100.5384
YIQ	240.7870, -3.7140, 1.2300

# Conversions

## Conversions Part 2

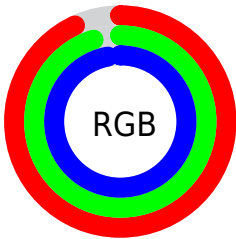
Format	Color
R <sub>Y</sub> B	238, 240, 247
Decimal	15659511
CIE Lab	95.08, 0.09, -3.24
CIE LCh	95, 3.242, 271.639
Yxy	87.8034, 0.3072, 0.3230
Android (android.graphics.Color)	4293849591 (0xFFEEF1F7)
YUV	240.7870, 3.0630, -2.4442
Hunter-Lab	93.7035, -4.9124, 1.9777

# Details

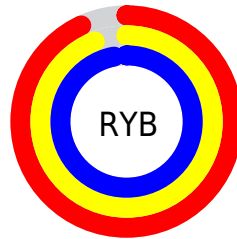
The YIQ color  $240.7870, -3.7140, 1.2300$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $244.2130, 3.7140, -1.2300$ , and the grayscale version is  $241.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $184.7870, -3.7140, 1.2300$  is the 20% darker color. If you saturate the color by 10%, you get  $223.9200, -14.2140, 4.2980$ , and if you desaturate by 10%, it is  $254.0880, 2.5680, -2.4880$ .

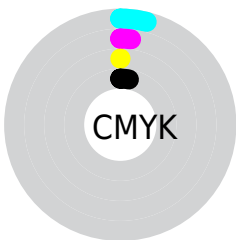
# Distribution



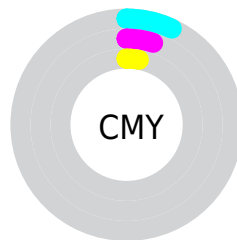
- Red (93%)
- Green (95%)
- Blue (97%)



- Red (93%)
- Yellow (94%)
- Blue (97%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 240.7870, -3.7140, 1.2300 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 240.7870, -3.7140, 1.2300 by changing the saturation by 10% instead.



■ 240.7870, -3.7140,  
1.2300

■ 240.7870, -3.7140,  
1.2300

255.0000, -0.0000,  
-0.0000

■ 212.7870, -3.7140,  
1.2300

■ 184.7870, -3.7140,  
1.2300

■ 157.7870, -3.7140,  
1.2300

■ 131.6730, -3.3930,  
0.9190

■ 106.6730, -3.3930,  
0.9190

■ 82.6730, -3.3930,  
0.9190

■ 59.5590, -3.0720,

0.6080

■ 37.8580, -2.4760,  
0.8200

■ 16.6730, -3.3930,  
0.9190

■ 240.7870, -3.7140,  
1.2300

■ 240.7870, -3.7140,  
1.2300

■ 223.9200,  
-14.2140, 4.2980

■ 254.0880, 2.5680,  
-2.4880

■ 206.7650,  
-23.8430, 8.1010

■ 189.8980,  
-34.3430, 11.1690

■ 172.4440,  
-44.5680, 14.7600

■ 155.8760,  
-54.4720, 18.0400

■ 138.4220,  
-64.6970, 21.6310

■ 121.5550,  
-75.1970, 24.6990

■ 104.1010,  
-85.4220, 28.2900

■ 87.5330, -95.3260,  
31.5700

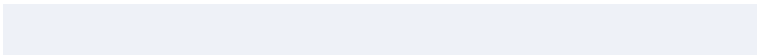
# Harmonies

## Analogous

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



240.3630, -5.4560, -0.2400



240.7870, -3.7140, 1.2300



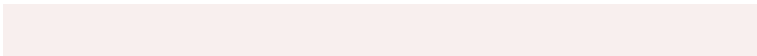
241.2820, -0.7340, 2.2900

# Triad

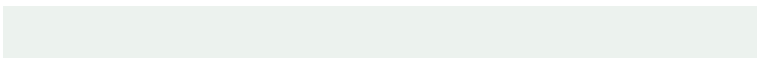
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



240.7870, -3.7140, 1.2300



241.5770, 5.6850, 1.5970



239.7500, -2.2920, -2.5160

# Complementary

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



240.7870, -3.7140, 1.2300



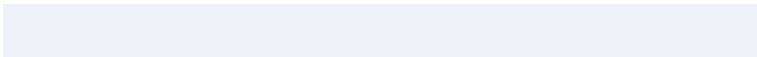
244.2130, 3.7140, -1.2300

# Split Complementary

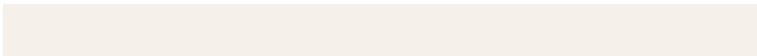
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



240.6040, 1.0550, -2.6010



240.7870, -3.7140, 1.2300



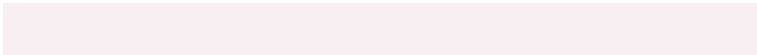
241.2240, 5.1810, -0.2830

# Square

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



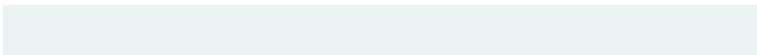
240.7870, -3.7140, 1.2300



241.6200, 4.1260, 2.3180



240.9140, 3.1180, -1.4420

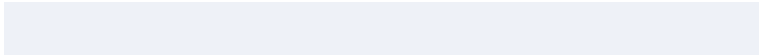


240.0810, -4.7220, -2.5300



# Rectangle

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



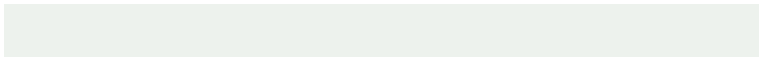
240.7870, -3.7140, 1.2300



241.1790, 1.0540, 2.9260



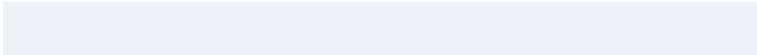
240.9140, 3.1180, -1.4420



239.9350, -1.3750, -2.6150

# Sweetspot

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



240.7870, -3.7140, 1.2300



252.9290, -1.2380, 0.4100



243.9670, -4.4010, -2.8410



126.8150, -0.9170, 0.0990



0.0000, 0.0000, 0.0000

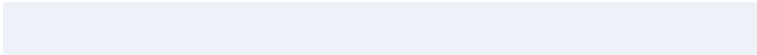


128.0000, -0.0000, -0.0000



# Same Dimension

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



240.7870, -3.7140, 1.2300



247.9010, -4.0350, 1.5410



239.3250, -2.2930, 3.0110



117.8580, -2.4760, 0.8200



57.5980, -76.7560, 25.4200

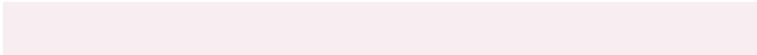


18.4660, -24.4390, 7.8890



# Inverse Universe

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



241.0330, 4.4010, 2.8410



248.3320, 4.9970, 3.0530



245.6750, 2.2930, -3.0110



118.0220, 2.9340, 1.8940



62.6820, 90.9540, 58.7140

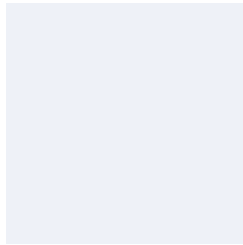


19.9210, 28.7440, 18.7280



# Previews

## White Background



This preview shows how the YIQ color 240.7870, -3.7140, 1.2300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

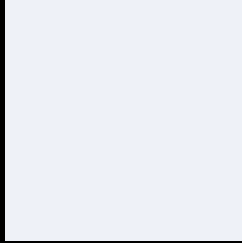
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 240.7870, -3.7140, 1.2300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

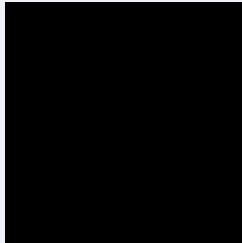
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

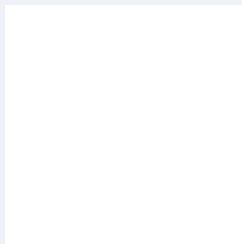
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 240.7870, -3.7140, 1.2300**

## **Background**



This preview shows how black text looks on a background with the YIQ color 240.7870, -3.7140, 1.2300.



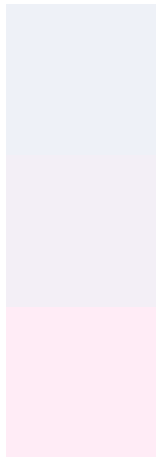
This preview shows how white text looks on a background with the YIQ color 240.7870, -3.7140,

1.2300.

# 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

240.7870, -3.7140, 1.2300

### Protanopia

240.9940, 0.1370, 3.0250

### Deuteranopia

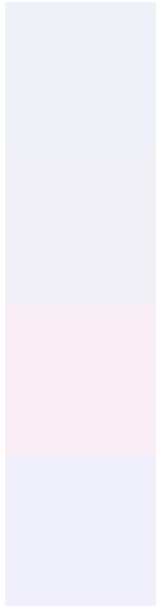
242.8210, 8.1140, 7.1380



## Tritanopia

241.7100, -4.8150, 4.6650

# Trichromacy



## Original Color

240.7870, -3.7140, 1.2300

## Protanomaly

240.9830, -1.3300, 2.0780

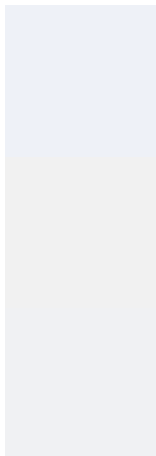
## Deuteranomaly

242.2010, 3.9880, 4.8200

## Tritanomaly

241.0690, -4.4480, 3.5200

# Monochromacy



## Original Color

240.7870, -3.7140, 1.2300

## Achromatopsia

241.0000, -0.0000, -0.0000

## Achromatomaly

240.9290, -1.2380, 0.4100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 240.7870, -3.7140, 1.2300 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, 241, 247)` looks like.

```
.text, #text, p{  
    color:rgb(238, 241, 247)  
}
```

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, 241, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 241, 247) }
```

## Border

The CSS property to change the border of an element to YIQ 240.7870, -3.7140, 1.2300 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, 241, 247) }
```



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

```
.border{ border-color:rgb(238, 241, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 241, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 241, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 241, 247);  
box-shadow:4px 4px 4px 4px rgb(238, 241,  
247) }
```

# Background

The CSS property to change the background color of an element to YIQ 240.7870, -3.7140, 1.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 241, 247) }
```

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

```
.background{ background-color: rgb(238,  
241, 247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor