

# Converting Colors

YIQ(237.9450, -7.3350, -4.7350)

Have a look what the booklet for  
YIQ(237.9450, -7.3350, -4.7350)  
contains.

<b>YIQ(237.9450, -7.3350, -4.7350)</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(237.9450, -7.3350,  
-4.7350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F3EE
RGB	228, 243, 238
RGB Percent	89%, 95%, 93%
CMY	0.1059, 0.0470, 0.0667
CMYK	0.06, 0.00, 0.02, 0.05
HSL	160°, 38%, 92%
HSV	160°, 6%, 95%
XYZ	79.4759, 86.7700, 93.4434
YIQ	237.9450, -7.3350, -4.7350

# Conversions

## Conversions Part 2

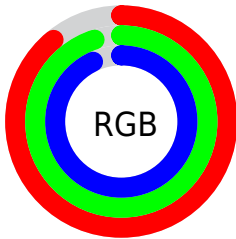
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 237, 243
Decimal	15004654
CIE <sub>Lab</sub>	94.64, -5.85, 0.70
CIE <sub>LCh</sub>	95, 5.888, 173.185
Yxy	86.7700, 0.3060, 0.3341
Android (android.graphics.Color)	4293194734 (0xFFE4F3EE)
YUV	237.9450, 0.0271, -8.7218
Hunter-Lab	93.1504, -10.7170, 5.7288

# Details

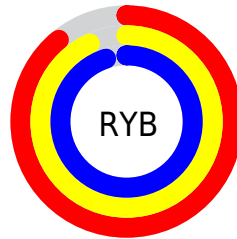
The YIQ color  $237.9450, -7.3350, -4.7350$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $233.0550, 7.3350, 4.7350$ , and the grayscale version is  $238.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $255.0000, -0.0000, -0.0000$ , and  $182.2440, -6.7390, -4.5230$  is the 20% darker color. If you saturate the color by 10%, you get  $229.8570, -19.0710, -12.3110$ , and if you desaturate by 10%, it is  $246.0330, 4.4010, 2.8410$ .

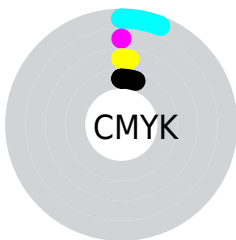
# Distribution



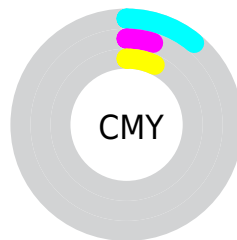
- Red (89%)
- Green (95%)
- Blue (93%)



- Red (89%)
- Yellow (93%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (11%)
- Magenta (5%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 237.9450, -7.3350, -4.7350 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 237.9450, -7.3350, -4.7350 by changing the saturation by 10% instead.



■ 237.9450, -7.3350,  
-4.7350

■ 237.9450, -7.3350,  
-4.7350

255.0000, -0.0000,  
-0.0000

■ 209.9450, -7.3350,  
-4.7350

■ 182.2440, -6.7390,  
-4.5230

■ 155.2440, -6.7390,  
-4.5230

■ 129.2440, -6.7390,  
-4.5230

■ 103.6570, -6.4640,  
-4.0000

■ 79.9560, -5.8680,  
-3.7880

■ 56.9560, -5.8680,

-3.7880

■ 35.3690, -5.5930,  
-3.2650

■ 13.3470, -8.5270,  
-5.1590

■ 237.9450, -7.3350,  
-4.7350

■ 237.9450, -7.3350,  
-4.7350

■ 229.8570,  
-19.0710, -12.3110

■ 246.0330, 4.4010,  
2.8410

■ 221.4700,  
-31.4030, -20.0990

■ 247.8420, 3.6210,  
5.9650

■ 213.3820,  
-43.1390, -27.6750

■ 247.9560, 3.3000,  
6.2760

■ 205.2940,  
-54.8750, -35.2510

■ 196.7930,  
-66.8860, -43.3500

■ 188.7050,  
-78.6220, -50.9260

■ 180.6170,  
-90.3580, -58.5020

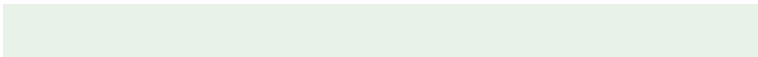
■ 172.5290,  
-102.0940, -66.0780

■ 164.1420,  
-114.4260, -73.8660

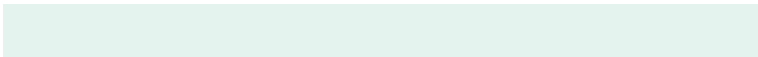
# Harmonies

## Analogous

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



238.2830, -2.4750, -4.7070



237.9450, -7.3350, -4.7350



238.0310, -10.4530, -3.2930

# Triad

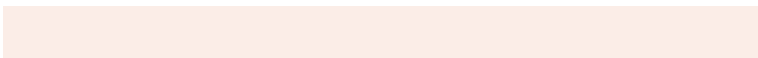
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



237.9450, -7.3350, -4.7350



240.2540, -3.5310, 3.4210



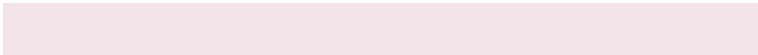
240.5020, 10.2700, 1.1020

# Complementary

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



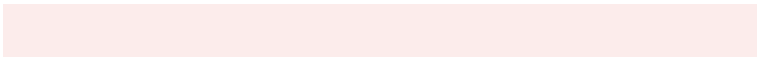
237.9450, -7.3350, -4.7350



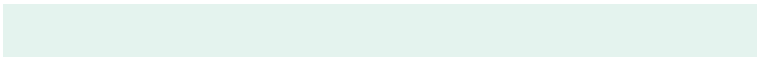
233.0550, 7.3350, 4.7350

# 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.



240.6700, 9.8570, 3.0810



237.9450, -7.3350, -4.7350



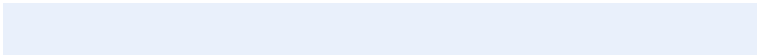
240.7170, 2.4750, 4.7070

# Square

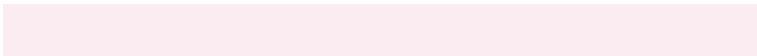
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



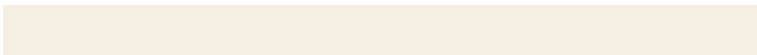
237.9450, -7.3350, -4.7350



239.1610, -7.7030, 1.9370



241.0550, 7.3350, 4.7350



239.8390, 7.7030, -1.9370



# Rectangle

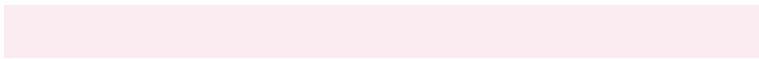
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



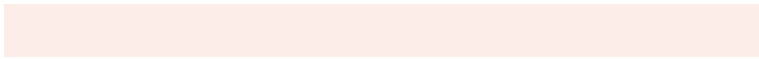
237.9450, -7.3350, -4.7350



238.0850, -10.5450, -1.6250



241.0550, 7.3350, 4.7350



240.9150, 10.5450, 1.6250

# Sweetspot

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



237.9450, -7.3350, -4.7350



253.2770, -2.3380, -1.6820



238.3000, -1.1450, -6.7850



126.9890, -1.4670, -0.9470



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

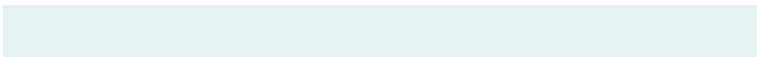
The Same Dimension uses a secret algorithm to generate beautiful new colors.



237.9450, -7.3350, -4.7350



248.9340, -8.8020, -5.6820



237.3410, -8.3900, -2.1340



118.9670, -4.4010, -2.8410



123.3180, -90.9540, -58.7140



39.0790, -28.7440, -18.7280

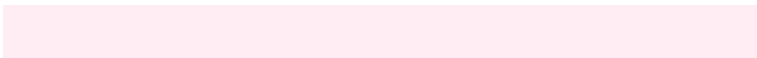


# Inverse Universe

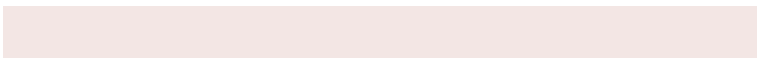
The Inverse Universe completely reimagines the original color for something new.



233.0550, 7.3350, 4.7350



243.0660, 8.8020, 5.6820



233.6590, 8.3900, 2.1340



116.0330, 4.4010, 2.8410



62.6820, 90.9540, 58.7140

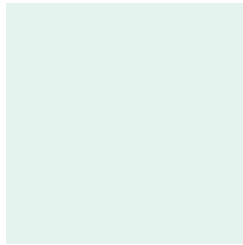


19.9210, 28.7440, 18.7280



# Previews

## White Background



This preview shows how the YIQ color 237.9450, -7.3350, -4.7350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

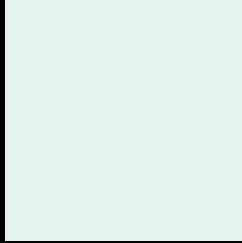
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 237.9450, -7.3350, -4.7350 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

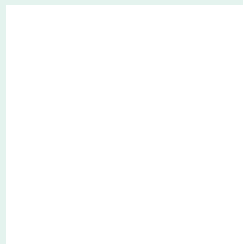
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 237.9450, -7.3350, -4.7350**

## **Background**



This preview shows how black text looks on a background with the YIQ color 237.9450, -7.3350, -4.7350.



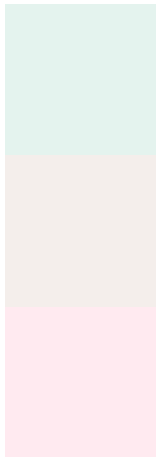
This preview shows how white text looks on a background with the YIQ color 237.9450, -7.3350, -4.7350.

-4.7350.

# 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

237.9450, -7.3350, -4.7350

### Protanopia

239.4520, 4.5390, 0.3390

### Deuteranopia

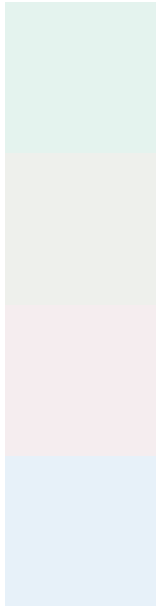
240.9630, 10.5900, 6.3180



## Tritanopia

239.6170, -8.9870, 3.1810

# Trichromacy



## Original Color

237.9450, -7.3350, -4.7350

## Protanomaly

238.9460, 0.0920, -1.6680

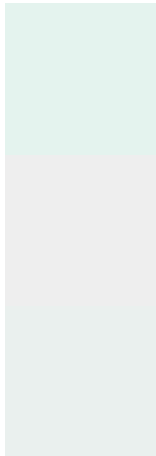
## Deuteranomaly

239.6200, 4.1260, 2.3180

## Tritanomaly

238.9220, -8.5280, 0.3680

# Monochromacy



## Original Color

237.9450, -7.3350, -4.7350

## Achromatopsia

238.0000, -0.0000, 0.0000

## Achromatomaly

237.9780, -2.9340, -1.8940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 237.9450, -7.3350, -4.7350 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(228, 243, 238)` looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 238)  
}
```

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(228, 243, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 238) }
```

## Border

The CSS property to change the border of an element to YIQ 237.9450, -7.3350, -4.7350 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(228, 243, 238) }
```



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

```
.border{ border-color:rgb(228, 243, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 243, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(228, 243,  
238) }
```

# Background

The CSS property to change the background color of an element to YIQ 237.9450, -7.3350, -4.7350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 238) }
```

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

```
.background{ background-color: rgb(228,  
243, 238) }
```

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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