

# Converting Colors

YIQ(238.7770, 27.4680,  
-24.2440)

Have a look what the booklet for  
YIQ(238.7770, 27.4680, -24.2440)  
contains.

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# Color

**YIQ(238.7770, 27.4680,  
-24.2440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF7A7
RGB	250, 247, 167
RGB Percent	98%, 97%, 65%
CMY	0.0197, 0.0314, 0.3449
CMYK	0.00, 0.01, 0.33, 0.02
HSL	58°, 89%, 82%
HSV	58°, 33%, 98%
XYZ	79.6598, 89.6342, 49.6830
YIQ	238.7770, 27.4680, -24.2440

# Conversions

## Conversions Part 2

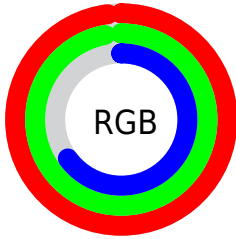
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">170, 250, 167</a>
Decimal	<a href="#">16447399</a>
<a href="#">CIELab</a>	<a href="#">95.84, -10.67, 38.86</a>
<a href="#">CIELCh</a>	<a href="#">96, 40.302, 105.359</a>
<a href="#">Yxy</a>	<a href="#">89.6342, 0.3638, 0.4093</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294637479 (0xFFFAF7A7)</a>
<a href="#">YUV</a>	<a href="#">238.7770, -35.3861, 9.8426</a>
<a href="#">Hunter-Lab</a>	<a href="#">94.6754, -15.4920, 35.1590</a>

# Details

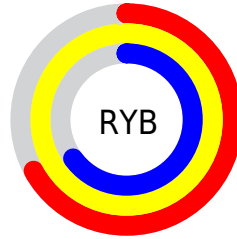
The YIQ color  $238.7770, 27.4680, -24.2440$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $178.2230, -27.4680, 24.2440$ , and the grayscale version is  $239.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $251.3520, 10.2720, -9.9520$ , and  $182.5210, 25.3130, -23.7350$  is the 20% darker color. If you saturate the color by 10%, you get  $235.3400, 35.7680, -31.4960$ , and if you desaturate by 10%, it is  $242.2140, 19.1680, -16.9920$ .

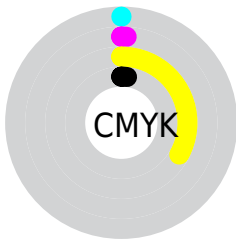
# Distribution



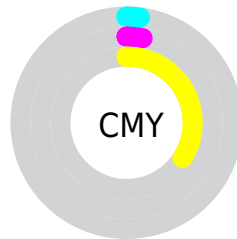
- Red (98%)
- Green (97%)
- Blue (65%)



- Red (67%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (1%)
- Yellow (33%)
- Black (2%)




- Cyan (2%)
- Magenta (3%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 238.7770, 27.4680, -24.2440 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 238.7770, 27.4680, -24.2440 by changing the saturation by 10% instead.





 238.7770, 27.4680,  
-24.2440


 238.7770, 27.4680,  
-24.2440


255.0000, -0.0000,  
-0.0000


 210.5920, 26.5510,  
-24.1450


 251.3520, 10.2720,  
-9.9520


 182.5210, 25.3130,  
-23.7350

 254.6580, 0.9630,  
-0.9330

 155.7490, 24.6710,  
-23.1130

 129.2650, 23.1580,  
-23.2260

 103.4930, 22.5160,  
-22.6040

 78.6670, 21.9660,  
-23.6500

 56.3940, 18.4810,

-21.0630

■ 36.3040, 10.2270,  
-14.6450

■ 14.9960, -3.3450,  
-10.9690

■ 238.7770, 27.4680,  
-24.2440

■ 238.7770, 27.4680,  
-24.2440

■ 235.3400, 35.7680,  
-31.4960

■ 242.2140, 19.1680,  
-16.9920

■ 231.9030, 44.0680,  
-38.7480

■ 245.6510, 10.8680,  
-9.7400

■ 228.4660, 52.3680,  
-46.0000

■ 249.0880, 2.5680,  
-2.4880

■ 225.0290, 60.6680,  
-53.2520

■ 251.1570, -1.8800,  
1.0320

■ 222.1790, 68.6930,  
-61.0270

■ 251.7440, -2.1550,  
0.5090

■ 218.7420, 76.9930,  
-68.2790

■ 252.3310, -2.4300,  
-0.0140

■ 216.2170, 82.7250,  
-73.0430

■ 252.9180, -2.7050,  
-0.5370

■ 253.5050, -2.9800,  
-1.0600

# Harmonies

## Analogous

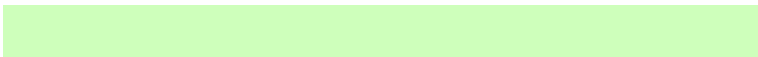
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



232.7550, 33.7020, -16.0740



238.7770, 27.4680, -24.2440



232.5970, -7.3760, -31.5360

# Triad

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



238.7770, 27.4680, -24.2440



214.6350, -80.4600, -28.6200



232.1070, 10.7250, 20.3970

# Complementary

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



238.7770, 27.4680, -24.2440



178.2230, -27.4680, 24.2440

# 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.



237.9770, 7.9750, 15.1670



238.7770, 27.4680, -24.2440



225.7310, -54.0070, -17.9350

# Square

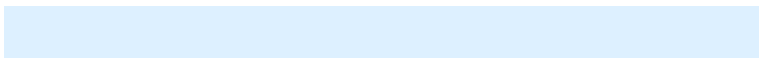
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



238.7770, 27.4680, -24.2440



215.2330, -79.2680, -28.1960



236.0290, -16.1390, 0.6370

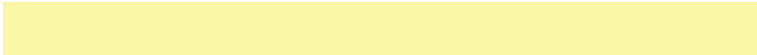


227.3990, 21.2260, 11.8020

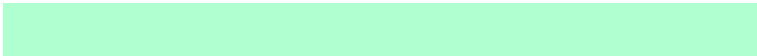


# Rectangle

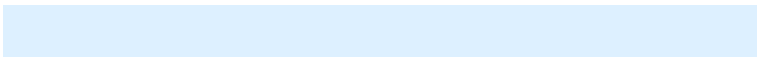
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



238.7770, 27.4680, -24.2440



225.8360, -32.9140, -31.2660



236.0290, -16.1390, 0.6370



233.8680, 9.9000, 18.8280

# Sweetspot

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



238.7770, 27.4680, -24.2440



251.5630, 8.3000, -7.2520



192.2730, 48.1840, 18.8400



125.5890, 5.4110, -4.4530



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

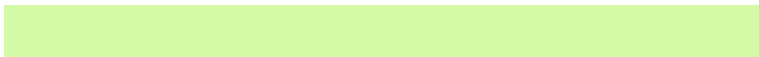
The Same Dimension uses a secret algorithm to generate beautiful new colors.



238.7770, 27.4680, -24.2440



241.0240, 33.8420, -29.6300



229.4750, 4.5910, -33.6570



123.5180, 4.1730, -4.0430



163.3450, 62.5940, -55.1180



52.8720, 20.1310, -17.9250



# Inverse Universe

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



178.2230, -27.4680, 24.2440



166.9760, -33.8420, 29.6300



187.5250, -4.5910, 33.6570



114.0690, -4.4480, 3.5200



25.6550, -62.5940, 55.1180

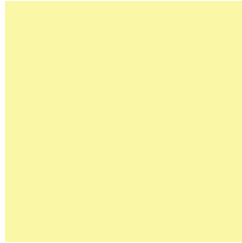


8.1280, -20.1310, 17.9250



# Previews

## White Background



This preview shows how the YIQ color 238.7770, 27.4680, -24.2440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

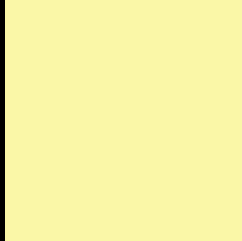
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 238.7770, 27.4680, -24.2440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

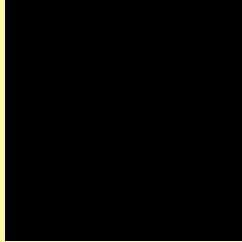
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 238.7770, 27.4680, -24.2440

## Background



This preview shows how black text looks on a background with the YIQ color 238.7770, 27.4680, -24.2440.



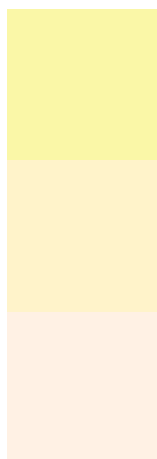
This preview shows how white text looks on a background with the YIQ color 238.7770, 27.4680, -24.2440.

-24.2440.

# 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

238.7770, 27.4680, -24.2440

### Protanopia

241.9140, 20.3130, -10.2070

### Deuteranopia

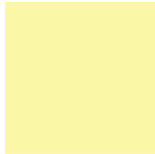
243.7040, 12.5170, -1.0750



## Tritanopia

244.5650, 5.9590, 7.6470

# Trichromacy



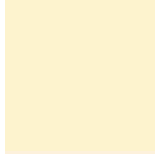
## Original Color

238.7770, 27.4680, -24.2440



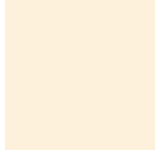
## Protanomaly

240.4210, 23.0190, -15.1970



## Deuteranomaly

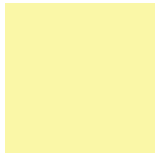
241.7720, 17.8370, -9.3870



## Tritanomaly

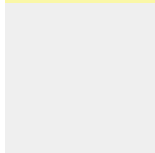
242.1940, 13.8930, -3.9870

# Monochromacy



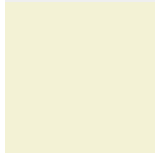
## Original Color

238.7770, 27.4680, -24.2440



## Achromatopsia

239.0000, -0.0000, -0.0000



## Achromatomaly

238.9930, 9.9050, -8.8070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 238.7770, 27.4680, -24.2440 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(250, 247, 167)` looks like.

```
.text, #text, p{  
    color:rgb(250, 247, 167)  
}
```

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(250, 247, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 247, 167) }
```

## Border

The CSS property to change the border of an element to YIQ 238.7770, 27.4680, -24.2440 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(250, 247, 167) }
```



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

```
.border{ border-color:rgb(250, 247, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 247, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 247, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 247, 167);  
box-shadow:4px 4px 4px 4px rgb(250, 247,  
167) }
```

# Background

The CSS property to change the background color of an element to YIQ 238.7770, 27.4680, -24.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 247, 167) }
```

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

```
.background{ background-color: rgb(250,  
247, 167) }
```

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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