

# Converting Colors

YIQ(237.4950, 1.8390, -27.8330)

Have a look what the booklet for  
YIQ(237.4950, 1.8390, -27.8330)  
contains.

<b>YIQ(237.4950, 1.8390, -27.8330)</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(237.4950, 1.8390,  
-27.8330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFFBC
RGB	222, 255, 188
RGB Percent	87%, 100%, 74%
CMY	0.1295, 0.0000, 0.2627
CMYK	0.13, 0.00, 0.26, 0.00
HSL	90°, 100%, 87%
HSV	90°, 26%, 100%
XYZ	74.9535, 90.6762, 61.1373
YIQ	237.4950, 1.8390, -27.8330

# Conversions

## Conversions Part 2

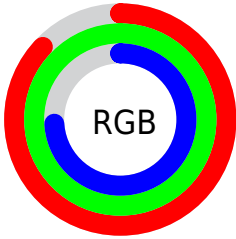
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 255, 221
Decimal	14614460
CIELab	96.28, -22.01, 28.58
CIELCh	96, 36.074, 127.596
Yxy	90.6762, 0.3305, 0.3999
Android (android.graphics.Color)	4292804540 (0xFFDEFFBC)
YUV	237.4950, -24.4010, -13.5891
Hunter-Lab	95.2241, -26.1398, 28.5905

# Details

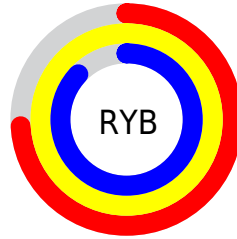
The YIQ color  $237.4950, 1.8390, -27.8330$  is a light color, and the websafe version is hex  $CCFFCC$ . A complement of this color would be  $205.5050, -1.8390, 27.8330$ , and the grayscale version is  $238.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $253.8600, 3.2100, -3.1100$ , and  $181.1360, 1.4720, -26.6880$  is the 20% darker color. If you saturate the color by 10%, you get  $230.7580, 2.1160, -38.3640$ , and if you desaturate by 10%, it is  $244.3460, 1.2410, -16.9910$ .

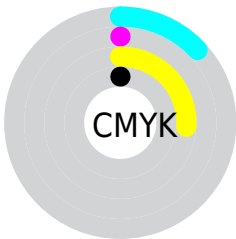
# Distribution



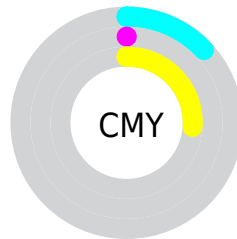
- Red (87%)
- Green (100%)
- Blue (74%)



- Red (74%)
- Yellow (100%)
- Blue (87%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 237.4950, 1.8390, -27.8330 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 237.4950, 1.8390, -27.8330 by changing the saturation by 10% instead.





 237.4950, 1.8390,  
-27.8330

 237.4950, 1.8390,  
-27.8330


255.0000, -0.0000,  
-0.0000

 209.0220, 1.7930,  
-26.9990


 253.8600, 3.2100,  
-3.1100

 181.1360, 1.4720,  
-26.6880

 154.3640, 0.8300,  
-26.0660

 127.8910, 0.7840,  
-25.2320

 102.4180, 0.7380,  
-24.3980

 78.5320, 0.4170,  
-24.0870

 54.6460, 0.0960,

-23.7760

■ 33.2700, -1.6010,  
-20.5530

■ 16.4360, -7.7000,  
-14.6440

■ 237.4950, 1.8390,  
-27.8330

■ 237.4950, 1.8390,  
-27.8330

■ 230.7580, 2.1160,  
-38.3640

■ 244.3460, 1.2410,  
-16.9910

■ 224.2060, 3.3100,  
-48.9940

■ 250.7840, 0.3680,  
-6.6720

■ 217.4690, 3.5870,  
-59.5250

■ 255.0000, -0.0000,  
-0.0000

■ 210.9170, 4.7810,  
-70.1550

■ 204.1800, 5.0580,  
-80.6860

■ 197.6280, 6.2520,  
-91.3160

■ 190.8910, 6.5290,  
-101.8470

■ 188.2560, 6.7590,  
-106.0170

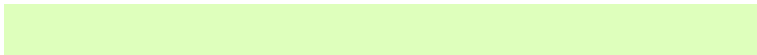
# Harmonies

## Analogous

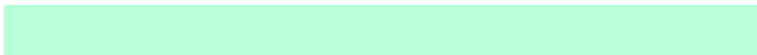
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



240.0100, 28.4300, -19.6500



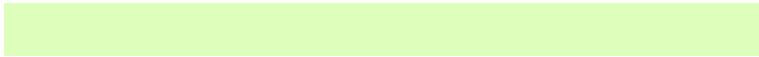
237.4950, 1.8390, -27.8330



228.8410, -31.3100, -27.2940

# Triad

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



237.4950, 1.8390, -27.8330



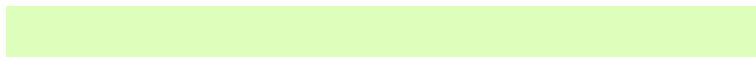
228.0900, -53.6400, -19.0800



231.7020, 15.9990, 12.9190

# Complementary

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



237.4950, 1.8390, -27.8330



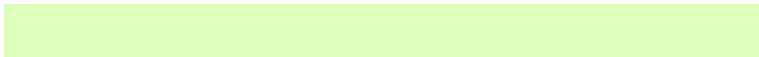
205.5050, -1.8390, 27.8330

# Split Complementary

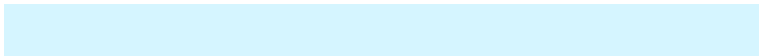
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



235.6290, 9.0750, 17.2590



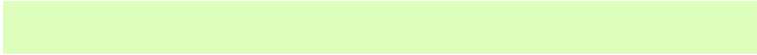
237.4950, 1.8390, -27.8330



236.5720, -22.2820, -3.6740

# Square

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



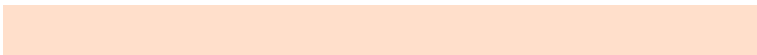
237.4950, 1.8390, -27.8330



220.0170, -69.7320, -24.8040



241.4990, 6.3250, 12.0290

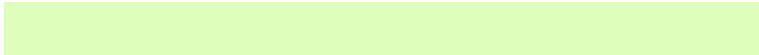


230.2880, 25.4920, 0.5640

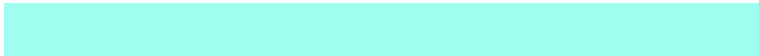


# Rectangle

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



237.4950, 1.8390, -27.8330



224.2870, -52.9970, -25.2290



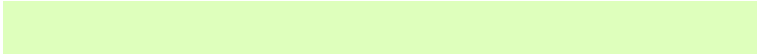
241.4990, 6.3250, 12.0290



233.0700, 12.1470, 16.6510

# Sweetspot

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



237.4950, 1.8390, -27.8330



249.7300, 0.4600, -8.3400



226.8170, 31.1320, -2.5320



124.4250, 0.0010, -5.5270



0.0000, 0.0000, 0.0000

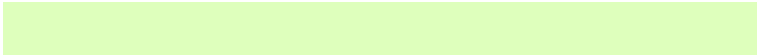


128.0000, -0.0000, -0.0000

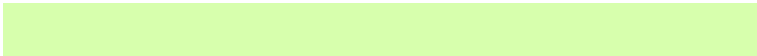


# Same Dimension

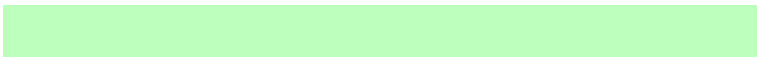
The Same Dimension uses a secret algorithm to generate beautiful new colors.



237.4950, 1.8390, -27.8330



233.6920, 2.4820, -33.9820



227.6280, -17.8290, -34.8290



124.4250, 0.0010, -5.5270



141.1200, 5.2870, -79.3290



47.1360, 1.4720, -26.6880



# Inverse Universe

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



205.5050, -1.8390, 27.8330



194.6070, -1.8860, 34.1940



215.3720, 17.8290, 34.8290



118.2760, -0.5970, 5.3150



49.8800, -5.2870, 79.3290

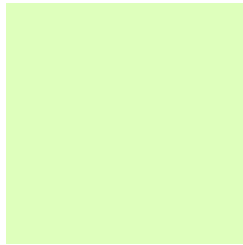


16.5650, -2.0680, 26.4760



# Previews

## White Background



This preview shows how the YIQ color 237.4950, 1.8390, -27.8330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

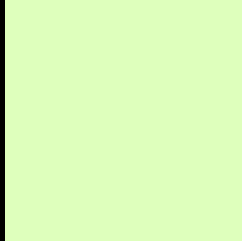
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 237.4950, 1.8390, -27.8330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

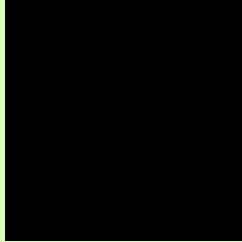
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

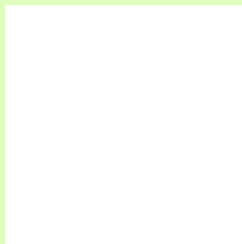
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 237.4950, 1.8390, -27.8330

## Background



This preview shows how black text looks on a background with the YIQ color 237.4950, 1.8390, -27.8330.



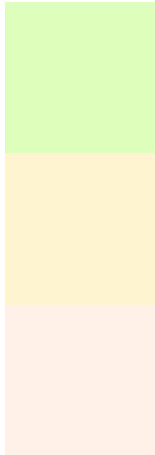
This preview shows how white text looks on a background with the YIQ color 237.4950, 1.8390, -27.8330.

-27.8330.

# 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

237.4950, 1.8390, -27.8330

### Protanopia

243.1850, 18.1120, -8.8640

### Deuteranopia

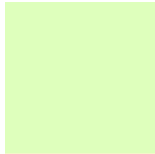
244.1600, 11.2330, 0.1690



## Tritanopia

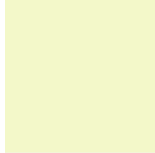
243.4600, -7.1070, 2.1490

# Trichromacy



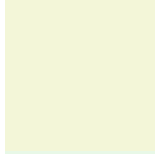
## Original Color

237.4950, 1.8390, -27.8330



## Protanomaly

241.1470, 12.1070, -15.6770



## Deuteranomaly

241.6830, 7.8420, -9.9660



## Tritanomaly

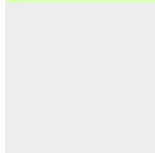
241.2780, -4.0790, -8.6790

# Monochromacy



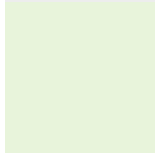
## Original Color

237.4950, 1.8390, -27.8330



## Achromatopsia

237.0000, -0.0000, -0.0000



## Achromatomaly

237.5620, 0.8730, -10.3190

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 237.4950, 1.8390, -27.8330 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(222, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 188)  
}
```

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(222, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 188) }
```

## Border

The CSS property to change the border of an element to YIQ 237.4950, 1.8390, -27.8330 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(222, 255, 188) }
```



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

```
.border{ border-color:rgb(222, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 255, 188); box-shadow:4px 4px 4px 4px rgb(222, 255, 188) }
```

# Background

The CSS property to change the background color of an element to YIQ 237.4950, 1.8390, -27.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 188) }
```

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

```
.background{ background-color: rgb(222,  
255, 188) }
```

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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