

# Converting Colors

YIQ(217.4870, 49.0160,  
-18.2800)

Have a look what the booklet for  
YIQ(217.4870, 49.0160, -18.2800)  
contains.

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# Color

**YIQ(217.4870, 49.0160,  
-18.2800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDD884
RGB	253, 216, 132
RGB Percent	99%, 85%, 52%
CMY	0.0078, 0.1530, 0.4821
CMYK	0.00, 0.15, 0.48, 0.01
HSL	42°, 97%, 76%
HSV	42°, 48%, 99%
XYZ	69.2325, 71.6558, 32.0356
YIQ	217.4870, 49.0160, -18.2800

# Conversions

## Conversions Part 2

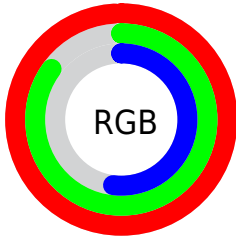
Format	Color
<a href="#">RYB</a>	<a href="#">185, 253, 132</a>
Decimal	<a href="#">16636036</a>
CIELab	<a href="#">87.80, 2.45, 45.95</a>
CIELCh	<a href="#">88, 46.014, 86.945</a>
Yxy	<a href="#">71.6558, 0.4004, 0.4144</a>
Android (android.graphics.Color)	<a href="#">4294826116</a> ( <a href="#">0xFFFD884</a> )
YUV	<a href="#">217.4870, -42.1451, 31.1449</a>
Hunter-Lab	<a href="#">84.6497, -2.1471, 36.8166</a>

# Details

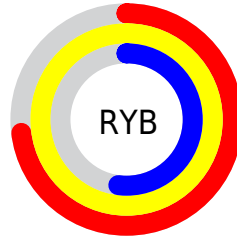
The YIQ color  $217.4870, 49.0160, -18.2800$  is a light color, and the websafe version is hex  $\text{FFCC66}$ . A complement of this color would be  $167.5130, -49.0160, 18.2800$ , and the grayscale version is  $218.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $247.1340, 22.1490, -21.4590$ , and  $161.6330, 45.6690, -18.1950$  is the 20% darker color. If you saturate the color by 10%, you get  $209.9410, 59.2410, -21.8710$ , and if you desaturate by 10%, it is  $225.0330, 38.7910, -14.6890$ .

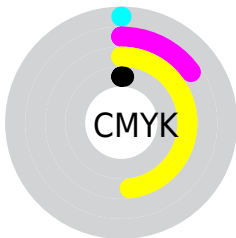
# Distribution



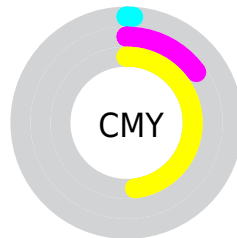
- Red (99%)
- Green (85%)
- Blue (52%)



- Red (73%)
- Yellow (99%)
- Blue (52%)



- Cyan (0%)
- Magenta (15%)
- Yellow (48%)
- Black (1%)




- Cyan (1%)
- Magenta (15%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.4870, 49.0160, -18.2800 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 217.4870, 49.0160, -18.2800 by changing the saturation by 10% instead.





 217.4870, 49.0160,  
-18.2800


 217.4870, 49.0160,  
-18.2800


255.0000, -0.0000,  
-0.0000


 189.1170, 47.1820,  
-18.0820


 247.1340, 22.1490,  
-21.4590


 161.6330, 45.6690,  
-18.1950


 250.4400, 12.8400,  
-12.4400

 135.1490, 44.1560,  
-18.3080

 253.6320, 3.8520,  
-3.7320

 109.2520, 42.3680,  
-18.9440

 83.3720, 41.9100,  
-21.6580

 62.0970, 32.7390,  
-15.1410

 41.4090, 23.2930,

-9.1470

■ 22.1940, 13.8930,  
-3.9870

■ 0.0000, 0.0000,  
0.0000

■ 217.4870, 49.0160,  
-18.2800

■ 217.4870, 49.0160,  
-18.2800

■ 209.9410, 59.2410,  
-21.8710

■ 225.0330, 38.7910,  
-14.6890

■ 202.8680, 69.5120,  
-26.2960

■ 232.1060, 28.5200,  
-10.2640

■ 195.3220, 79.7370,  
-29.8870

■ 239.6520, 18.2950,  
-6.6730

■ 187.7760, 89.9620,  
-33.4780

■ 247.1980, 8.0700,  
-3.0820

■ 180.2300,  
100.1870, -37.0690

254.4020, -1.1920,  
-0.4240

■ 178.9590,  
102.3880, -38.4120

# Harmonies

## Analogous

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



211.1040, 49.1970, -5.0350



217.4870, 49.0160, -18.2800



212.6890, 15.7320, -31.8200

# Triad

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



217.4870, 49.0160, -18.2800



179.7840, -132.5880, -42.0600



219.7800, 16.5000, 31.3800

# Complementary

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



217.4870, 49.0160, -18.2800



167.5130, -49.0160, 18.2800

# 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.



217.8210, -9.0810, 15.9030



217.4870, 49.0160, -18.2800



188.2220, -107.0980, -30.4420

# Square

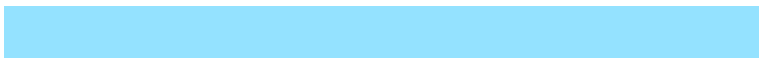
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



217.4870, 49.0160, -18.2800



196.0400, -77.7070, -39.9710



205.9840, -55.7970, -7.5170



211.1910, 28.2840, 27.0680

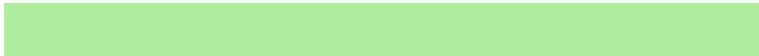


# Rectangle

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



217.4870, 49.0160, -18.2800



208.9830, -11.6390, -36.8790



205.9840, -55.7970, -7.5170



222.7150, 15.1250, 28.7650

# Sweetspot

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



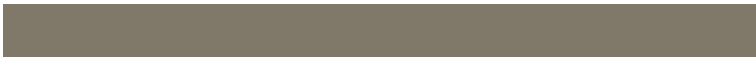
217.4870, 49.0160, -18.2800



244.4390, 14.5810, -5.4430



172.5110, 59.9180, 37.4700



121.3830, 8.9870, -3.1810



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.



217.4870, 49.0160, -18.2800



212.6420, 58.6450, -22.0830



232.6280, 25.7290, -42.2950



124.1700, 5.2730, -1.9510



135.1800, 77.2610, -29.0670



44.9640, 26.0440, -9.4440



# Inverse Universe

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



167.5130, -49.0160, 18.2800



152.3580, -58.6450, 22.0830



152.3720, -25.7290, 42.2950



118.8300, -5.2730, 1.9510



56.4070, -77.5360, 28.5440



19.0360, -26.0440, 9.4440



# Previews

## White Background



This preview shows how the YIQ color 217.4870, 49.0160, -18.2800 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 217.4870, 49.0160, -18.2800 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 217.4870, 49.0160, -18.2800

## Background



This preview shows how black text looks on a background with the YIQ color 217.4870, 49.0160, -18.2800.



This preview shows how white text looks on a background with the YIQ color 217.4870, 49.0160, -18.2800.

-18.2800.

# 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

217.4870, 49.0160, -18.2800

### Protanopia

216.4750, 40.1220, -22.2940

### Deuteranopia

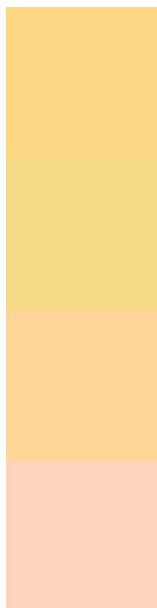
219.8580, 41.0820, -6.6460



## Tritanopia

223.5350, 23.8390, 14.0070

# Trichromacy



## Original Color

217.4870, 49.0160, -18.2800

## Protanomaly

216.9700, 43.1020, -21.2340

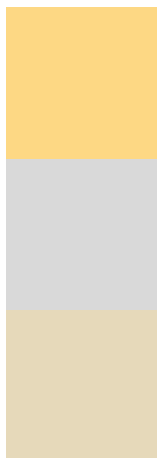
## Deuteranomaly

218.8920, 43.7420, -10.8020

## Tritanomaly

221.3490, 32.6900, 2.2740

# Monochromacy



## Original Color

217.4870, 49.0160, -18.2800

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

217.3530, 17.6990, -6.8850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.4870, 49.0160, -18.2800 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(253, 216, 132)` looks like.

```
.text, #text, p{  
    color:rgb(253, 216, 132)  
}
```

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(253, 216, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 216, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 217.4870, 49.0160, -18.2800 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(253, 216, 132) }
```



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

```
.border{ border-color:rgb(253, 216, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 216, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 216, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 216, 132);  
box-shadow:4px 4px 4px 4px rgb(253, 216,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.4870, 49.0160, -18.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 216, 132) }
```

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

```
.background{ background-color: rgb(253,  
216, 132) }
```

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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