

# Converting Colors

YIQ(217.4350, 54.7940,  
-23.8780)

Have a look what the booklet for  
YIQ(217.4350, 54.7940, -23.8780)  
contains.

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# Color

**YIQ(217.4350, 54.7940,  
-23.8780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDA74
RGB	255, 218, 116
RGB Percent	100%, 85%, 45%
CMY	0.0000, 0.1451, 0.5448
CMYK	0.00, 0.15, 0.54, 0.00
HSL	44°, 100%, 73%
HSV	44°, 54%, 100%
XYZ	69.4641, 72.6573, 26.9092
YIQ	217.4350, 54.7940, -23.8780

# Conversions

## Conversions Part 2

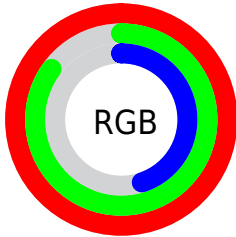
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 255, 116
Decimal	16767604
CIE <sub>Lab</sub>	88.28, 0.88, 54.29
CIE <sub>LCh</sub>	88, 54.298, 89.073
Yxy	72.6573, 0.4110, 0.4298
Android (android.graphics.Color)	4294957684 (0xFFFFDA74)
YUV	217.4350, -50.0075, 32.9445
Hunter-Lab	85.2393, -3.7036, 40.9502

# Details

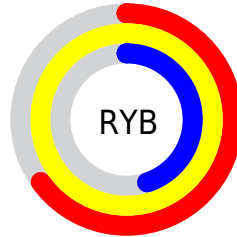
The YIQ color  $217.4350, 54.7940, -23.8780$  is a light color, and the websafe version is hex  $\text{FFCC66}$ . A complement of this color would be  $153.5650, -54.7940, 23.8780$ , and the grayscale version is  $218.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $245.3100, 27.2850, -26.4350$ , and  $161.5810, 51.4470, -23.7930$  is the 20% darker color. If you saturate the color by 10%, you get  $210.4760, 64.7440, -27.9920$ , and if you desaturate by 10%, it is  $224.5080, 44.5230, -19.4530$ .

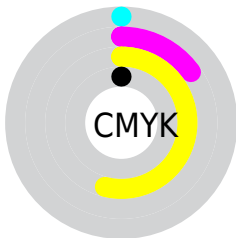
# Distribution



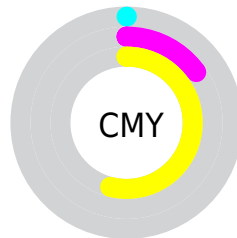
- Red (100%)
- Green (85%)
- Blue (45%)



- Red (65%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 217.4350, 54.7940, -23.8780 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 217.4350, 54.7940, -23.8780 by changing the saturation by 10% instead.





 217.4350, 54.7940,  
-23.8780


 217.4350, 54.7940,  
-23.8780

255.0000, -0.0000,  
-0.0000


 189.0650, 52.9600,  
-23.6800


 245.3100, 27.2850,  
-26.4350


 161.5810, 51.4470,  
-23.7930


 248.5020, 18.2970,  
-17.7270

 134.5700, 49.9800,  
-24.7400

 251.8080, 8.9880,  
-8.7080

 107.1200, 51.1270,  
-29.0090

 84.8450, 41.9560,  
-22.4920

 63.2710, 32.1890,  
-16.1870

 42.2840, 22.1470,

-10.4050

■ 23.3680, 13.3430,  
-5.0330

■ 0.0000, 0.0000,  
0.0000

■ 217.4350, 54.7940,  
-23.8780

■ 217.4350, 54.7940,  
-23.8780

■ 210.4760, 64.7440,  
-27.9920

■ 224.5080, 44.5230,  
-19.4530

■ 203.4030, 75.0150,  
-32.4170

■ 231.4670, 34.5730,  
-15.3390

■ 197.0310, 84.6900,  
-37.0540

■ 237.9530, 24.5770,  
-10.3910

■ 189.9580, 94.9610,  
-41.4790

■ 244.9120, 14.6270,  
-6.2770

186.0140,  
100.5550, -43.7410

251.9850, 4.3560,  
-1.8520

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



208.9210, 53.9660, -8.8660



217.4350, 54.7940, -23.8780



211.7610, 15.2290, -39.2270

# Triad

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



217.4350, 54.7940, -23.8780



174.0590, -149.7800, -49.8760



216.8450, 17.8750, 33.9950

# Complementary

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



217.4350, 54.7940, -23.8780



153.5650, -54.7940, 23.8780

# 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.



218.7290, -5.8260, 17.4860



217.4350, 54.7940, -23.8780



170.5370, -148.1300, -46.7380

# Square

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



217.4350, 54.7940, -23.8780



180.2950, -118.5100, -54.9100



202.3850, -64.4160, -11.0080



207.5550, 30.2550, 29.8950



# Rectangle

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



217.4350, 54.7940, -23.8780



207.2330, -18.5150, -44.4270



202.3850, -64.4160, -11.0080



220.3670, 16.2250, 30.8570

# Sweetspot

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



217.4350, 54.7940, -23.8780



243.8690, 16.1860, -6.9980



161.7790, 70.9670, 40.9750



121.0410, 9.9500, -4.1140



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.



217.4350, 54.7940, -23.8780



210.2480, 65.3860, -28.6140



229.5860, 25.5470, -50.0130



124.1700, 5.2730, -1.9510



139.2890, 75.3360, -32.7280



46.7250, 25.2190, -11.0130



# Inverse Universe

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



153.5650, -54.7940, 23.8780



133.7520, -65.3860, 28.6140



141.4140, -25.5470, 50.0130



118.2430, -4.9980, 2.4740



51.7110, -75.3360, 32.7280



17.2750, -25.2190, 11.0130



# Previews

## White Background



This preview shows how the YIQ color 217.4350, 54.7940, -23.8780 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 217.4350, 54.7940, -23.8780 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 217.4350, 54.7940, -23.8780

## Background



This preview shows how black text looks on a background with the YIQ color 217.4350, 54.7940, -23.8780.



This preview shows how white text looks on a background with the YIQ color 217.4350, 54.7940, -23.8780.

-23.8780.

# 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

217.4350, 54.7940, -23.8780

### Protanopia

216.6080, 46.8170, -27.9910

### Deuteranopia

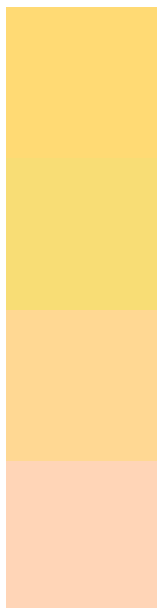
221.2600, 39.8900, -7.0700



## Tritanopia

224.8230, 22.9680, 13.2720

# Trichromacy



## Original Color

217.4350, 54.7940, -23.8780

## Protanomaly

217.2170, 49.4760, -26.6200

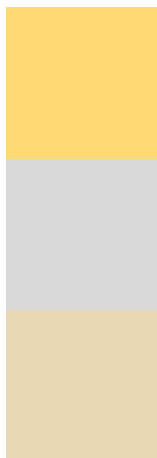
## Deuteranomaly

219.7950, 45.3930, -13.1910

## Tritanomaly

222.1380, 34.6620, -0.4260

# Monochromacy



## Original Color

217.4350, 54.7940, -23.8780

## Achromatopsia

217.0000, -0.0000, 0.0000

## Achromatomaly

216.9680, 20.2210, -8.5390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 217.4350, 54.7940, -23.8780 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(255, 218, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 116)  
}
```

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(255, 218, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 116) }
```

## Border

The CSS property to change the border of an element to YIQ 217.4350, 54.7940, -23.8780 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(255, 218, 116) }
```



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

```
.border{ border-color:rgb(255, 218, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 218, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 218, 116); box-shadow:4px 4px 4px 4px rgb(255, 218, 116) }
```

# Background

The CSS property to change the background color of an element to YIQ 217.4350, 54.7940, -23.8780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 116) }
```

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

```
.background{ background-color: rgb(255,  
218, 116) }
```

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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