

# Converting Colors

YIQ(181.7160, 64.9690, -4.5270)

Have a look what the booklet for  
YIQ(181.7160, 64.9690, -4.5270)  
contains.

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# Color

**YIQ(181.7160, 64.9690,  
-4.5270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F1A766
RGB	241, 167, 102
RGB Percent	95%, 65%, 40%
CMY	0.0548, 0.3452, 0.5997
CMYK	0.00, 0.31, 0.58, 0.05
HSL	28°, 83%, 67%
HSV	28°, 58%, 95%
XYZ	52.5026, 47.2937, 18.9522
YIQ	181.7160, 64.9690, -4.5270

# Conversions

## Conversions Part 2

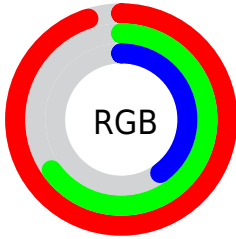
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 224, 102
Decimal	15837030
CIE <sub>Lab</sub>	74.38, 20.69, 44.15
CIE <sub>LCh</sub>	74, 48.764, 64.888
Yxy	47.2937, 0.4421, 0.3983
Android (android.graphics.Color)	4294027110 (0xFFFF1A766)
YUV	181.7160, -39.3000, 51.9921
Hunter-Lab	68.7704, 15.9271, 31.7997

# Details

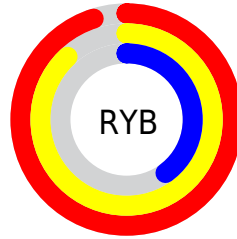
The YIQ color **181.7160, 64.9690, -4.5270** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **161.2840, -64.9690, 4.5270**, and the grayscale version is **182.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **224.1150, 41.4960, -14.1520**, and **127.5520, 59.5590, -5.6010** is the 20% darker color. If you saturate the color by 10%, you get **171.3490, 76.2480, -5.1920**, and if you desaturate by 10%, it is **192.0830, 53.6900, -3.8620**.

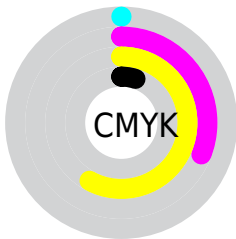
# Distribution



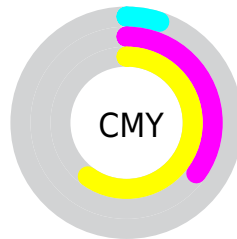
- Red (95%)
- Green (65%)
- Blue (40%)



- Red (95%)
- Yellow (88%)
- Blue (40%)



- Cyan (0%)
- Magenta (31%)
- Yellow (58%)
- Black (5%)



- Cyan (5%)
- Magenta (35%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 181.7160, 64.9690, -4.5270 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 181.7160, 64.9690, -4.5270 by changing the saturation by 10% instead.



181.7160, 64.9690,  
-4.5270

181.7160, 64.9690,  
-4.5270

255.0000, -0.0000,  
-0.0000

154.0470, 62.5390,  
-4.5410

224.1150, 41.4960,  
-14.1520

127.6660, 59.2380,  
-5.2900

244.3300, 24.5330,  
-20.6110

101.4700, 56.8540,  
-6.1380

249.8700, 14.4450,  
-13.9950

75.9320, 55.4330,  
-7.9190

253.0620, 5.4570,  
-5.2870

54.5320, 45.1160,  
-2.6600

33.2460, 34.4780,  
2.9100

12.8570, 25.6280,

9.1160

■ 0.0000, 0.0000,  
0.0000

■ 181.7160, 64.9690,  
-4.5270

■ 181.7160, 64.9690,  
-4.5270

■ 171.3490, 76.2480,  
-5.1920

■ 192.0830, 53.6900,  
-3.8620

■ 160.9820, 87.5270,  
-5.8570

■ 202.4500, 42.4110,  
-3.1970

■ 150.6150, 98.8060,  
-6.5220

■ 212.8170, 31.1320,  
-2.5320

■ 140.8350,  
109.8100, -7.7100

■ 222.5970, 20.1280,  
-1.3440

■ 138.3900,  
112.5610, -8.0070

■ 233.0780, 8.5280,  
-0.3680

■ 243.4450, -2.7510,  
0.2970

■ 250.8140, -8.3440,  
-2.9680

# Harmonies

## Analogous

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



180.7450, 67.1660, 16.2380



181.7160, 64.9690, -4.5270



178.4920, 41.4520, -24.3720

# Triad

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



181.7160, 64.9690, -4.5270



142.4680, -117.3190, -48.9590



186.5890, -10.6430, 33.2050

# Complementary

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



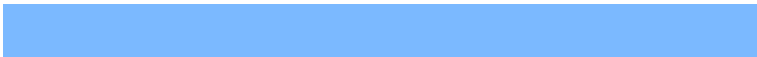
181.7160, 64.9690, -4.5270



161.2840, -64.9690, 4.5270

# 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.



174.4420, -59.4220, 8.6260



181.7160, 64.9690, -4.5270



146.8970, -131.1680, -34.7520

# Square

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



181.7160, 64.9690, -4.5270



164.7650, -43.3200, -40.9200



145.2960, -136.3050, -24.2490



188.3740, 32.6830, 40.9630



# Rectangle

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



181.7160, 64.9690, -4.5270



175.7170, 18.5290, -32.9510



145.2960, -136.3050, -24.2490



183.5330, -25.4050, 25.4030

# Sweetspot

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



181.7160, 64.9690, -4.5270



236.5970, 20.1280, -1.3440



151.9970, 59.0900, 52.4820



116.8180, 12.1960, -0.7640



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.



181.7160, 64.9690, -4.5270



179.7580, 82.3460, -5.5740



222.2190, 45.9940, -40.6140



114.5230, 5.7770, -0.0710



105.4980, 86.0140, -5.9700



32.0060, 26.2260, -1.7260



# Inverse Universe

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



161.2840, -64.9690, 4.5270



154.2420, -82.3460, 5.5740



120.7810, -45.9940, 40.6140



112.8900, -5.5020, 0.5940



78.5020, -86.0140, 5.9700



23.9940, -26.2260, 1.7260



# Previews

## White Background



This preview shows how the YIQ color 181.7160, 64.9690, -4.5270 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 181.7160, 64.9690, -4.5270 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

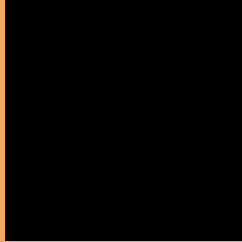
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 181.7160, 64.9690, -4.5270

## Background



This preview shows how black text looks on a background with the YIQ color 181.7160, 64.9690, -4.5270.



This preview shows how white text looks on a background with the YIQ color 181.7160, 64.9690,

-4.5270.

# 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

181.7160, 64.9690, -4.5270

### Protanopia

179.8320, 34.8030, -19.5090

### Deuteranopia

181.1010, 53.2790, -12.9370



## Tritanopia

186.3810, 48.0000, 22.1760

# Trichromacy



## Original Color

181.7160, 64.9690, -4.5270

## Protanomaly

180.5670, 46.0350, -13.8130

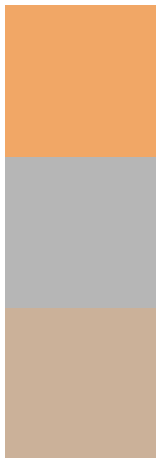
## Deuteranomaly

181.2480, 57.3590, -9.7850

## Tritanomaly

184.6940, 54.0080, 12.4080

# Monochromacy



## Original Color

181.7160, 64.9690, -4.5270

## Achromatopsia

182.0000, -0.0000, -0.0000

## Achromatomaly

182.0380, 23.2000, -1.9520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 181.7160, 64.9690, -4.5270 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(241, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(241, 167, 102)  
}
```

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(241, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 167, 102) }
```

## Border

The CSS property to change the border of an element to YIQ 181.7160, 64.9690, -4.5270 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(241, 167, 102) }
```



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

```
.border{ border-color:rgb(241, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(241, 167,  
102) }
```

# Background

The CSS property to change the background color of an element to YIQ 181.7160, 64.9690, -4.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 167, 102) }
```

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

```
.background{ background-color: rgb(241,  
167, 102) }
```

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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