

# Converting Colors

YIQ(197.6760, 70.4730,  
-16.1750)

Have a look what the booklet for  
YIQ(197.6760, 70.4730, -16.1750)  
contains.

<b>YIQ(197.6760, 70.4730, -16.1750)</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(197.6760, 70.4730,  
-16.1750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBD5C
RGB	255, 189, 92
RGB Percent	100%, 74%, 36%
CMY	0.0000, 0.2589, 0.6388
CMYK	0.00, 0.26, 0.64, 0.00
HSL	36°, 100%, 68%
HSV	36°, 64%, 100%
XYZ	61.3673, 58.4174, 18.1873
YIQ	197.6760, 70.4730, -16.1750

# Conversions

## Conversions Part 2

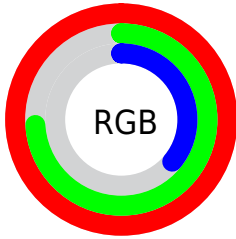
Format	Color
<a href="#">RYB</a>	<a href="#">203, 255, 92</a>
Decimal	<a href="#">16760156</a>
CIELab	<a href="#">80.97, 14.18, 57.04</a>
CIELCh	<a href="#">81, 58.780, 76.044</a>
Yxy	<a href="#">58.4174, 0.4448, 0.4234</a>
Android (android.graphics.Color)	<a href="#">4294950236</a> ( <a href="#">0xFFFFBD5C</a> )
YUV	<a href="#">197.6760, -52.0983, 50.2731</a>
Hunter-Lab	<a href="#">76.4313, 9.5643, 39.3935</a>

# Details

The YIQ color  $197.6760, 70.4730, -16.1750$  is a light color, and the websafe version is hex  $\text{FFCC66}$ . The color can be described as light muted orange. A complement of this color would be  $149.3240, -70.4730, 16.1750$ , and the grayscale version is  $198.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $236.5900, 38.0600, -28.9800$ , and  $142.2840, 65.7050, -17.8710$  is the 20% darker color. If you saturate the color by 10%, you get  $188.9560, 81.2480, -18.7200$ , and if you desaturate by 10%, it is  $206.5100, 59.3770, -13.3190$ .

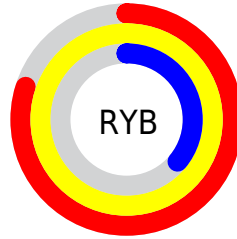
# Distribution



Red (100%)

Green (74%)

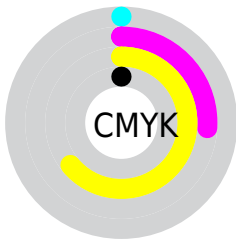
Blue (36%)



Red (80%)

Yellow (100%)

Blue (36%)

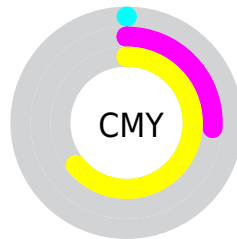


Cyan (0%)

Magenta (26%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 197.6760, 70.4730, -16.1750 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 197.6760, 70.4730, -16.1750 by changing the saturation by 10% instead.




 197.6760, 70.4730,  
-16.1750


 197.6760, 70.4730,  
-16.1750


255.0000, -0.0000,  
-0.0000


 169.5940, 67.7680,  
-16.7120


 236.5900, 38.0600,  
-28.9800


 142.2840, 65.7050,  
-17.8710


 245.6520, 26.3220,  
-25.5020


 114.9480, 66.5310,  
-21.8290

 248.8440, 17.3340,  
-16.7940

 91.1460, 57.4060,  
-16.1460

 252.1500, 8.0250,  
-7.7750

 68.9740, 46.4470,  
-10.2650

 47.6880, 35.8090,  
-4.6950

 27.5870, 26.0880,

0.7760

■ 8.9700, 17.8800,  
6.3600

■ 0.0000, 0.0000,  
0.0000

■ 197.6760, 70.4730,  
-16.1750

■ 197.6760, 70.4730,  
-16.1750

■ 188.9560, 81.2480,  
-18.7200

■ 206.5100, 59.3770,  
-13.3190

■ 179.5350, 92.6190,  
-21.0530

■ 215.8170, 48.3270,  
-11.2970

■ 170.8150,  
103.3940, -23.5980

■ 224.6510, 37.2310,  
-8.4410

■ 165.4690,  
110.1800, -25.4360

■ 233.3710, 26.4560,  
-5.8960

■ 242.7920, 15.0850,  
-3.5630

■ 251.5120, 4.3100,  
-1.0180

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.



189.5840, 65.7010, 4.2370



197.6760, 70.4730, -16.1750



193.1780, 36.0440, -36.5000

# Triad

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



197.6760, 70.4730, -16.1750



160.6430, -136.8050, -48.2370



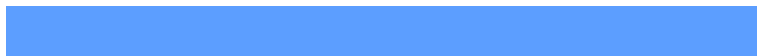
204.4520, 14.8480, 39.2960

# Complementary

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



197.6760, 70.4730, -16.1750



149.3240, -70.4730, 16.1750

# 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.



193.1470, -39.4780, 10.6180



197.6760, 70.4730, -16.1750



161.1450, -143.7300, -38.3700

# Square

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



197.6760, 70.4730, -16.1750



163.7350, -96.5020, -57.2860



154.6880, -140.7050, -32.6170



195.0970, 35.0210, 42.6450



# Rectangle

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



197.6760, 70.4730, -16.1750



189.0260, 3.9970, -44.9230



154.6880, -140.7050, -32.6170



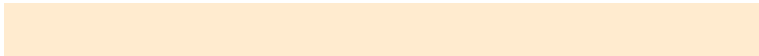
201.6840, -0.7850, 30.7590

# Sweetspot

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



197.6760, 70.4730, -16.1750



237.7880, 20.9080, -4.4680



148.4890, 75.3200, 55.7040



117.5360, 12.9300, -3.0540



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.



197.6760, 70.4730, -16.1750



185.6960, 84.9160, -19.1160



232.2320, 43.9790, -53.6610



122.9960, 5.8230, -0.9050



124.0270, 82.4860, -19.1300

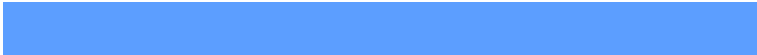


41.4420, 27.6940, -6.3060



# Inverse Universe

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



149.3240, -70.4730, 16.1750



127.7170, -84.6410, 19.6390



114.7680, -43.9790, 53.6610



119.4170, -5.5480, 1.4280



67.5600, -82.7610, 18.6070



22.5580, -27.6940, 6.3060



# Previews

## White Background



This preview shows how the YIQ color 197.6760, 70.4730, -16.1750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

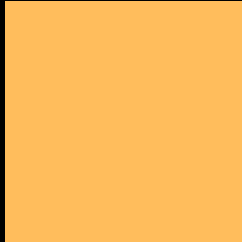
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 197.6760, 70.4730, -16.1750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

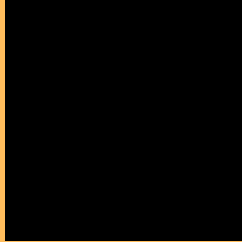
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 197.6760, 70.4730, -16.1750

## Background



This preview shows how black text looks on a background with the YIQ color 197.6760, 70.4730, -16.1750.



This preview shows how white text looks on a background with the YIQ color 197.6760, 70.4730, -16.1750.

-16.1750.

# 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

197.6760, 70.4730, -16.1750

### Protanopia

196.1950, 46.5420, -28.5140

### Deuteranopia

197.5290, 66.3930, -19.3270



## Tritanopia

204.4940, 40.2520, 19.4200

# Trichromacy



## Original Color

197.6760, 70.4730, -16.1750

## Protanomaly

196.7340, 55.3900, -23.6660

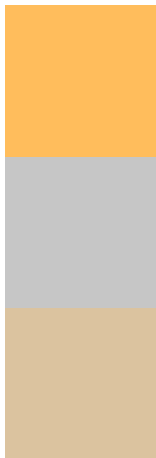
## Deuteranomaly

197.5400, 67.8600, -18.3800

## Tritanomaly

202.0370, 51.3040, 6.3440

# Monochromacy



## Original Color

197.6760, 70.4730, -16.1750

## Achromatopsia

198.0000, -0.0000, 0.0000

## Achromatomaly

198.0720, 25.8600, -6.1080

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 197.6760, 70.4730, -16.1750 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, 189, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 92)  
}
```

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, 189, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 92) }
```

## Border

The CSS property to change the border of an element to YIQ 197.6760, 70.4730, -16.1750 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, 189, 92) }
```



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

```
.border{ border-color:rgb(255, 189, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
92) }
```

# Background

The CSS property to change the background color of an element to YIQ 197.6760, 70.4730, -16.1750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 92) }
```

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

```
.background{ background-color: rgb(255,  
189, 92) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor