

# Converting Colors

YIQ(121.7690, 31.0870, -7.2250)

Have a look what the booklet for  
YIQ(121.7690, 31.0870, -7.2250)  
contains.

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# Color

**YIQ(121.7690, 31.0870,  
-7.2250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	93764B
RGB	147, 118, 75
RGB Percent	58%, 46%, 29%
CMY	0.4235, 0.5373, 0.7057
CMYK	0.00, 0.20, 0.49, 0.42
HSL	36°, 32%, 44%
HSV	36°, 49%, 58%
XYZ	19.7829, 19.6666, 9.4171
YIQ	121.7690, 31.0870, -7.2250

# Conversions

## Conversions Part 2

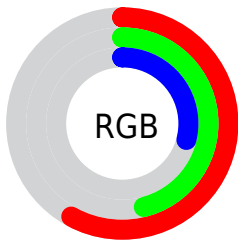
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 147, 75
Decimal	9664075
CIELab	51.46, 5.55, 27.86
CIELCh	51, 28.407, 78.739
Yxy	19.6666, 0.4048, 0.4025
Android (android.graphics.Color)	4287854155 (0xFF93764B)
YUV	121.7690, -23.0571, 22.1276
Hunter-Lab	44.3470, 2.0205, 18.4526

# Details

The YIQ color **121.7690, 31.0870, -7.2250** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **100.2310, -31.0870, 7.2250**, and the grayscale version is **122.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **174.7370, 34.1130, -6.9990**, and **72.5020, 27.4650, -7.6630** is the 20% darker color. If you saturate the color by 10%, you get **116.5370, 37.5520, -8.7520**, and if you desaturate by 10%, it is **127.0010, 24.6220, -5.6980**.

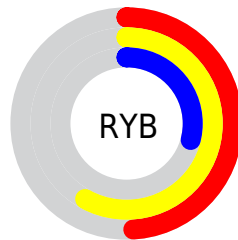
# Distribution



Red (58%)

Green (46%)

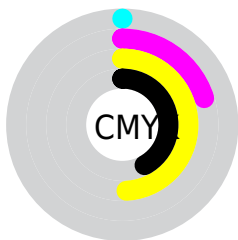
Blue (29%)



Red (49%)

Yellow (58%)

Blue (29%)

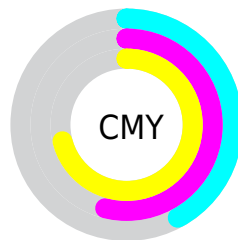


Cyan (0%)

Magenta (20%)

Yellow (49%)

Black (42%)



Cyan (42%)

Magenta (54%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.7690, 31.0870, -7.2250 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 121.7690, 31.0870, -7.2250 by changing the saturation by 10% instead.



■ 121.7690, 31.0870,  
-7.2250

■ 121.7690, 31.0870,  
-7.2250

■ 255.0000, -0.0000,  
-0.0000

■ 96.3990, 29.2530,  
-7.0270

■ 174.7370, 34.1130,  
-6.9990

■ 72.5020, 27.4650,  
-7.6630

■ 201.9220, 35.0300,  
-7.0980

■ 49.4910, 25.9980,  
-8.6100

■ 228.6120, 32.9670,  
-8.2570

■ 29.3040, 19.3950,  
-4.5810

■ 248.7130, 16.3250,  
-15.0270

■ 6.5670, 11.6450,  
3.7170

■ 252.4920, 7.0620,  
-6.8420

■ 0.0000, 0.0000,  
0.0000

■ 121.7690, 31.0870,  
-7.2250

■ 121.7690, 31.0870,  
-7.2250

■ 116.5370, 37.5520,  
-8.7520

■ 127.0010, 24.6220,  
-5.6980

■ 111.4190, 43.6960,  
-9.9680

■ 132.1190, 18.4780,  
-4.4820

■ 106.1870, 50.1610,  
-11.4950

■ 137.3510, 12.0130,  
-2.9550

■ 100.9550, 56.6260,  
-13.0220

■ 142.5830, 5.5480,  
-1.4280

■ 95.8370, 62.7700,  
-14.2380

■ 147.8150, -0.9170,  
0.0990

■ 95.6090, 63.4120,  
-14.8600

■ 152.9330, -7.0610,  
1.3150

■ 157.5780,  
-13.2510, 3.3650

■ 162.8100,

-19.7160, 4.8920

■ 167.9280,  
-25.8600, 6.1080

# Harmonies

## Analogous

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



123.5240, 39.5670, 4.2950



121.7690, 31.0870, -7.2250



119.4030, 14.2620, -16.1860

# Triad

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



121.7690, 31.0870, -7.2250



105.9150, -60.5170, -21.1010



125.8830, 5.5440, 20.6800

# Complementary

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



121.7690, 31.0870, -7.2250



100.2310, -31.0870, 7.2250

# 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.



123.0800, -20.1760, 13.2320



121.7690, 31.0870, -7.2250



106.5480, -66.4330, -13.0010

# Square

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



121.7690, 31.0870, -7.2250



111.4480, -34.3370, -21.9930



116.3430, -46.2620, 1.4020



125.8330, 26.1760, 21.2160



# Rectangle

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



121.7690, 31.0870, -7.2250



117.2810, -0.1340, -19.6060



116.3430, -46.2620, 1.4020



125.6370, -2.5710, 19.0690

# Sweetspot

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



121.7690, 31.0870, -7.2250



181.3510, 12.0130, -2.9550



99.9480, 33.2820, 24.5940



90.8390, 7.7030, -1.9370



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



121.7690, 31.0870, -7.2250



151.7030, 48.6480, -11.6080



136.9980, 19.5360, -23.6640



71.4410, 3.0720, -0.6080



89.3960, 59.6980, -13.6300



6.5120, 4.3100, -1.0180



# Inverse Universe

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



100.2310, -31.0870, 7.2250



117.8840, -48.9230, 11.0850



85.0020, -19.5360, 23.6640



69.5590, -3.0720, 0.6080



48.6040, -59.6980, 13.6300

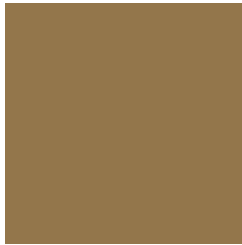


3.4880, -4.3100, 1.0180



# Previews

## White Background



This preview shows how the YIQ color 121.7690, 31.0870, -7.2250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 121.7690, 31.0870, -7.2250 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 × Fail

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

# YIQ 121.7690, 31.0870, -7.2250

## Background



This preview shows how black text looks on a background with the YIQ color 121.7690, 31.0870, -7.2250.



This preview shows how white text looks on a background with the YIQ color 121.7690, 31.0870,

-7.2250.

# 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

121.7690, 31.0870, -7.2250

### Protanopia

121.0450, 21.3220, -11.9740

### Deuteranopia

121.7800, 32.5540, -6.2780



## Tritanopia

124.6870, 20.3550, 11.0670

# Trichromacy



## Original Color

121.7690, 31.0870, -7.2250

## Protanomaly

121.2520, 25.1730, -10.1790

## Deuteranomaly

121.4810, 31.9580, -6.4900

## Tritanomaly

123.6240, 24.6660, 4.5220

# Monochromacy



## Original Color

121.7690, 31.0870, -7.2250

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.1660, 11.0960, -2.8560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.7690, 31.0870, -7.2250 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(147, 118, 75)` looks like.

```
.text, #text, p{  
    color:rgb(147, 118, 75)  
}
```

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(147, 118, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 118, 75) }
```

## Border

The CSS property to change the border of an element to YIQ 121.7690, 31.0870, -7.2250 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(147, 118, 75) }
```



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

```
.border{ border-color:rgb(147, 118, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 118, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 118, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 118, 75);  
box-shadow:4px 4px 4px 4px rgb(147, 118,  
75) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.7690, 31.0870, -7.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 118, 75) }
```

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

```
.background{ background-color: rgb(147,  
118, 75) }
```

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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