

# Converting Colors

YIQ(159.2470, 32.7370, -4.0870)

Have a look what the booklet for  
YIQ(159.2470, 32.7370, -4.0870)  
contains.

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# Color

**YIQ(159.2470, 32.7370,  
-4.0870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC9974
RGB	188, 153, 116
RGB Percent	74%, 60%, 45%
CMY	0.2627, 0.4000, 0.5449
CMYK	0.00, 0.19, 0.38, 0.26
HSL	31°, 35%, 60%
HSV	31°, 38%, 74%
XYZ	35.2864, 34.7328, 21.3796
YIQ	159.2470, 32.7370, -4.0870

# Conversions

## Conversions Part 2

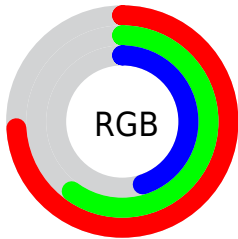
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">184, 188, 116</a>
Decimal	<a href="#">12360052</a>
CIELab	<a href="#">65.54, 7.89, 24.34</a>
CIELCh	<a href="#">66, 25.588, 72.038</a>
Yxy	<a href="#">34.7328, 0.3861, 0.3800</a>
Android (android.graphics.Color)	<a href="#">4290550132 (0xFFBC9974)</a>
YUV	<a href="#">159.2470, -21.3208, 25.2164</a>
Hunter-Lab	<a href="#">58.9346, 3.7393, 19.7456</a>

# Details

The YIQ color  $159.2470, 32.7370, -4.0870$  is a light color, and the websafe version is hex  $CC9966$ . A complement of this color would be  $144.7530, -32.7370, 4.0870$ , and the grayscale version is  $159.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $213.9160, 35.1670, -4.0730$ , and  $107.2790, 29.7110, -4.3130$  is the 20% darker color. If you saturate the color by 10%, you get  $151.7980, 41.3110, -5.2890$ , and if you desaturate by 10%, it is  $166.6960, 24.1630, -2.8850$ .

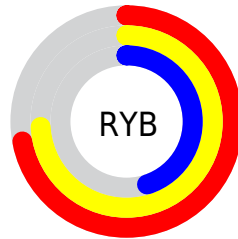
# Distribution



Red (74%)

Green (60%)

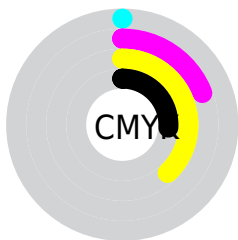
Blue (45%)



Red (72%)

Yellow (74%)

Blue (45%)

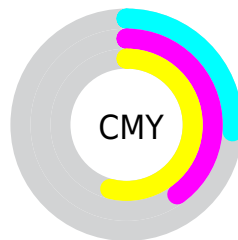


Cyan (0%)

Magenta (19%)

Yellow (38%)

Black (26%)



Cyan (26%)

Magenta (40%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 159.2470, 32.7370, -4.0870 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 159.2470, 32.7370, -4.0870 by changing the saturation by 10% instead.



■ 159.2470, 32.7370,  
-4.0870

■ 159.2470, 32.7370,  
-4.0870

255.0000, -0.0000,  
-0.0000

■ 132.7630, 31.2240,  
-4.2000

■ 213.9160, 35.1670,  
-4.0730

■ 107.2790, 29.7110,  
-4.3130

■ 236.5340, 24.4390,  
-7.8890

■ 82.9090, 27.8770,  
-4.1150

■ 251.4660, 9.9510,  
-9.6410

■ 59.1260, 25.7680,  
-4.4400

254.6580, 0.9630,  
-0.9330

■ 37.0010, 24.6220,  
-5.6980

■ 17.7970, 16.6890,  
0.4090

■ 0.0000, 0.0000,

0.0000

■ 159.2470, 32.7370,  
-4.0870

■ 159.2470, 32.7370,  
-4.0870

■ 151.7980, 41.3110,  
-5.2890

■ 166.6960, 24.1630,  
-2.8850

■ 144.3490, 49.8850,  
-6.4910

■ 174.1450, 15.5890,  
-1.6830

■ 137.0140, 58.1380,  
-7.3820

■ 181.4800, 7.3360,  
-0.7920

■ 128.9780, 66.9870,  
-8.0610

■ 189.5160, -1.5130,  
-0.1130

■ 121.5290, 75.5610,  
-9.2630

■ 196.9650,  
-10.0870, 1.0890

■ 114.0800, 84.1350,  
-10.4650

■ 204.4140,  
-18.6610, 2.2910

■ 113.1510, 85.3730,  
-10.8750

■ 211.8630,  
-27.2350, 3.4930

■ 217.9440,  
-31.9570, 0.9630

■ 223.2270,  
-34.4320, -3.7440

# Harmonies

## Analogous

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



160.8060, 38.8330, 6.5850



159.2470, 32.7370, -4.0870



157.1370, 18.0670, -13.5570

# Triad

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



159.2470, 32.7370, -4.0870



148.2220, -45.2040, -17.7800



162.0780, 0.5010, 18.4610

# Complementary

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



159.2470, 32.7370, -4.0870



144.7530, -32.7370, 4.0870

# 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.



159.0580, -23.1100, 11.3380



159.2470, 32.7370, -4.0870



148.5450, -53.1830, -10.8390

# Square

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



159.2470, 32.7370, -4.0870



151.1780, -24.7090, -20.2690



153.3710, -43.4650, 0.2710



162.9680, 21.3620, 20.3540



# Rectangle

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



159.2470, 32.7370, -4.0870



155.0860, 4.9090, -17.3870



153.3710, -43.4650, 0.2710



161.7180, -7.2930, 16.5390

# Sweetspot

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



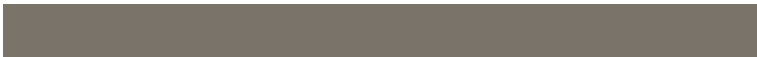
159.2470, 32.7370, -4.0870



234.2910, 12.2420, -1.5980



141.6320, 31.3560, 26.4600



116.0670, 7.0610, -1.3150



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000



# Same Dimension

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



159.2470, 32.7370, -4.0870



199.8330, 51.3980, -6.3780



179.7920, 23.1120, -22.3920



90.6260, 3.9890, -0.7070



94.7890, 71.8930, -8.8670



18.6610, 14.0760, -1.7960



# Inverse Universe

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



144.7530, -32.7370, 4.0870



177.1670, -51.3980, 6.3780



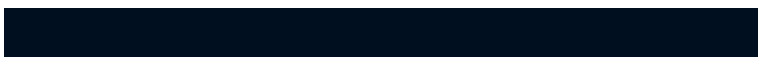
124.2080, -23.1120, 22.3920



88.9610, -4.2640, 0.1840



63.2110, -71.8930, 8.8670

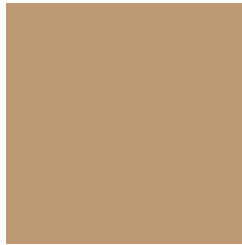


12.3390, -14.0760, 1.7960



# Previews

## White Background



This preview shows how the YIQ color 159.2470, 32.7370, -4.0870 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 159.2470, 32.7370, -4.0870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

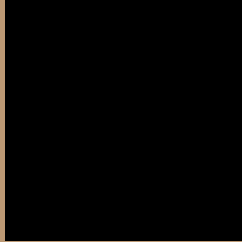
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 159.2470, 32.7370, -4.0870

## Background



This preview shows how black text looks on a background with the YIQ color 159.2470, 32.7370, -4.0870.



This preview shows how white text looks on a background with the YIQ color 159.2470, 32.7370,

-4.0870.

# 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

159.2470, 32.7370, -4.0870

### Protanopia

158.0280, 19.9920, -9.8960

### Deuteranopia

159.5460, 33.3330, -3.8750



## Tritanopia

161.8230, 22.9680, 13.2720

# Trichromacy



## Original Color

159.2470, 32.7370, -4.0870

## Protanomaly

158.5340, 24.4390, -7.8890

## Deuteranomaly

159.5460, 33.3330, -3.8750

## Tritanomaly

160.8740, 26.9580, 7.0380

# Monochromacy



## Original Color

159.2470, 32.7370, -4.0870

## Achromatopsia

159.0000, -0.0000, 0.0000

## Achromatomaly

159.2910, 12.2420, -1.5980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 159.2470, 32.7370, -4.0870 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(188, 153, 116)` looks like.

```
.text, #text, p{  
    color:rgb(188, 153, 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(188, 153, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 153, 116) }
```

## Border

The CSS property to change the border of an element to YIQ 159.2470, 32.7370, -4.0870 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(188, 153, 116) }
```



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

```
.border{ border-color:rgb(188, 153, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 153, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 153, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 153, 116);  
box-shadow:4px 4px 4px 4px rgb(188, 153,  
116) }
```

# Background

The CSS property to change the background color of an element to YIQ 159.2470, 32.7370, -4.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 153, 116) }
```

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

```
.background{ background-color: rgb(188,  
153, 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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