

# Converting Colors

YIQ(160.8340, 32.4620, -4.6100)

Have a look what the booklet for  
YIQ(160.8340, 32.4620, -4.6100)  
contains.

<b>YIQ(160.8340, 32.4620, -4.6100)</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(160.8340, 32.4620,  
-4.6100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD9B75
RGB	189, 155, 117
RGB Percent	74%, 61%, 46%
CMY	0.2588, 0.3922, 0.5410
CMYK	0.00, 0.18, 0.38, 0.26
HSL	32°, 35%, 60%
HSV	32°, 38%, 74%
XYZ	35.9221, 35.5439, 21.8094
YIQ	160.8340, 32.4620, -4.6100

# Conversions

## Conversions Part 2

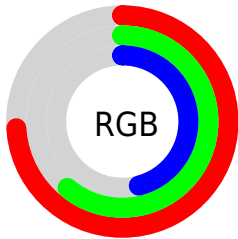
Format	Color
<a href="#">RYB</a>	<a href="#">181, 189, 117</a>
Decimal	<a href="#">12426101</a>
CIELab	<a href="#">66.17, 7.32, 24.65</a>
CIElCh	<a href="#">66, 25.717, 73.459</a>
Yxy	<a href="#">35.5439, 0.3851, 0.3811</a>
Android (android.graphics.Color)	<a href="#">4290616181</a> ( <a href="#">0xFFBD9B75</a> )
YUV	<a href="#">160.8340, -21.6102, 24.7016</a>
Hunter-Lab	<a href="#">59.6187, 3.2190, 20.0439</a>

# Details

The YIQ color **160.8340, 32.4620, -4.6100** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **145.1660, -32.4620, 4.6100**, and the grayscale version is **161.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **215.5030, 34.8920, -4.5960**, and **108.8660, 29.4360, -4.8360** is the 20% darker color. If you saturate the color by 10%, you get **153.3850, 41.0360, -5.8120**, and if you desaturate by 10%, it is **168.2830, 23.8880, -3.4080**.

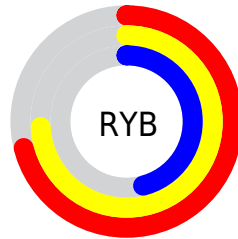
# Distribution



Red (74%)

Green (61%)

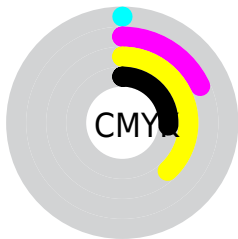
Blue (46%)



Red (71%)

Yellow (74%)

Blue (46%)

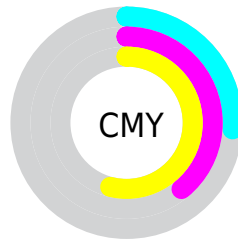


Cyan (0%)

Magenta (18%)

Yellow (38%)

Black (26%)



Cyan (26%)

Magenta (39%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 160.8340, 32.4620, -4.6100 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 160.8340, 32.4620, -4.6100 by changing the saturation by 10% instead.





 160.8340, 32.4620,  
-4.6100

 160.8340, 32.4620,  
-4.6100


255.0000, -0.0000,  
-0.0000

 134.3500, 30.9490,  
-4.7230


 215.5030, 34.8920,  
-4.5960

 108.8660, 29.4360,  
-4.8360


 238.4090, 23.2930,  
-9.1470


 84.4960, 27.6020,  
-4.6380

 251.5800, 9.6300,  
-9.3300

 60.7130, 25.4930,  
-4.9630

254.8860, 0.3210,  
-0.3110

 37.8870, 24.9430,  
-6.0090

 18.9710, 16.1390,  
-0.6370

 0.0000, 0.0000,

0.0000

■ 160.8340, 32.4620,  
-4.6100

■ 160.8340, 32.4620,  
-4.6100

■ 153.3850, 41.0360,  
-5.8120

■ 168.2830, 23.8880,  
-3.4080

■ 145.9360, 49.6100,  
-7.0140

■ 175.7320, 15.3140,  
-2.2060

■ 138.4870, 58.1840,  
-8.2160

■ 183.1810, 6.7400,  
-1.0040

■ 131.0380, 66.7580,  
-9.4180

■ 190.6300, -1.8340,  
0.1980

■ 123.7030, 75.0110,  
-10.3090

■ 198.0790,  
-10.4080, 1.4000

■ 116.2540, 83.5850,  
-11.5110

■ 205.4140,  
-18.6610, 2.2910

■ 115.2110, 85.1440,  
-12.2320

■ 212.8630,  
-27.2350, 3.4930

■ 218.2430,  
-31.3610, 1.1750

■ 223.5260,  
-33.8360, -3.5320

# Harmonies

## Analogous

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



162.6920, 39.1540, 6.2740



160.8340, 32.4620, -4.6100



158.8380, 17.4710, -13.7690

# Triad

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



160.8340, 32.4620, -4.6100



150.0370, -46.1210, -17.6810



163.6760, 1.6930, 18.8850

# Complementary

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



160.8340, 32.4620, -4.6100



145.1660, -32.4620, 4.6100

# 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.



160.6560, -21.9180, 11.7620



160.8340, 32.4620, -4.6100



150.6590, -53.5040, -10.5280

# Square

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



160.8340, 32.4620, -4.6100



152.6940, -26.2220, -20.3820



155.3710, -43.4650, 0.2710



164.5660, 22.5540, 20.7780



# Rectangle

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



160.8340, 32.4620, -4.6100



156.7870, 4.3130, -17.5990



155.3710, -43.4650, 0.2710



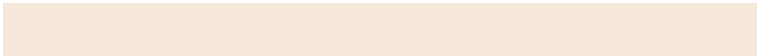
163.3160, -6.1010, 16.9630

# Sweetspot

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



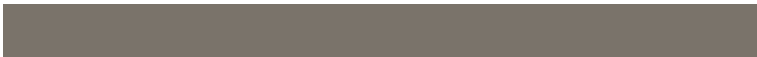
160.8340, 32.4620, -4.6100



234.2910, 12.2420, -1.5980



142.5180, 31.6770, 26.1490



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.



160.8340, 32.4620, -4.6100



201.0070, 50.8480, -7.4240



180.4930, 22.5160, -22.6040



90.6260, 3.9890, -0.7070



95.9630, 71.3430, -9.9130



18.6610, 14.0760, -1.7960



# Inverse Universe

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



145.1660, -32.4620, 4.6100



175.9930, -50.8480, 7.4240



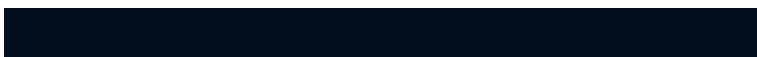
125.5070, -22.5160, 22.6040



88.3740, -3.9890, 0.7070



62.0370, -71.3430, 9.9130

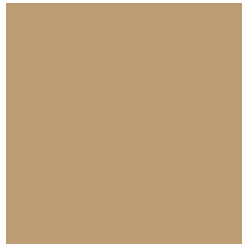


11.7520, -13.8010, 2.3190



# Previews

## White Background



This preview shows how the YIQ color 160.8340, 32.4620, -4.6100 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 160.8340, 32.4620, -4.6100 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

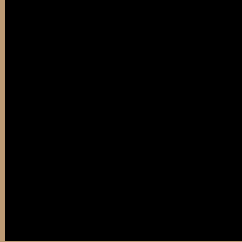
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 160.8340, 32.4620, -4.6100

## Background



This preview shows how black text looks on a background with the YIQ color 160.8340, 32.4620, -4.6100.



This preview shows how white text looks on a background with the YIQ color 160.8340, 32.4620, -4.6100.

-4.6100.

# 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

160.8340, 32.4620, -4.6100

### Protanopia

159.9140, 20.3130, -10.2070

### Deuteranopia

160.8450, 33.9290, -3.6630



## Tritanopia

163.8230, 22.9680, 13.2720

# Trichromacy



## Original Color

160.8340, 32.4620, -4.6100

## Protanomaly

160.4200, 24.7600, -8.2000

## Deuteranomaly

160.5460, 33.3330, -3.8750

## Tritanomaly

162.5750, 26.3620, 6.8260

# Monochromacy



## Original Color

160.8340, 32.4620, -4.6100

## Achromatopsia

161.0000, -0.0000, -0.0000

## Achromatomaly

160.9920, 11.6460, -1.8100

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 160.8340, 32.4620, -4.6100 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(189, 155, 117)` looks like.

```
.text, #text, p{  
    color:rgb(189, 155, 117)  
}
```

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(189, 155, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 155, 117) }
```

## Border

The CSS property to change the border of an element to YIQ 160.8340, 32.4620, -4.6100 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(189, 155, 117) }
```



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

```
.border{ border-color:rgb(189, 155, 117) }
```

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

Here you see how a box with a 4 pixel rgb(189, 155, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 155, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 155, 117);  
box-shadow:4px 4px 4px 4px rgb(189, 155,  
117) }
```

# Background

The CSS property to change the background color of an element to YIQ 160.8340, 32.4620, -4.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 155, 117) }
```

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

```
.background{ background-color: rgb(189,  
155, 117) }
```

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