

# Converting Colors

YIQ(161.8580, 14.7190, -7.9450)

Have a look what the booklet for  
YIQ(161.8580, 14.7190, -7.9450)  
contains.

<b>YIQ(161.8580, 14.7190, -7.9450)</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(161.8580, 14.7190,  
-7.9450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABA384
RGB	171, 163, 132
RGB Percent	67%, 64%, 52%
CMY	0.3294, 0.3608, 0.4823
CMYK	0.00, 0.05, 0.23, 0.33
HSL	48°, 19%, 59%
HSV	48°, 23%, 67%
XYZ	34.0574, 36.5176, 27.0909
YIQ	161.8580, 14.7190, -7.9450

# Conversions

## Conversions Part 2

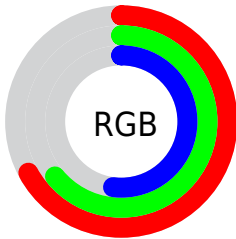
Format	Color
<b>RYB</b>	142, 171, 132
Decimal	11248516
CIELab	66.91, -2.25, 17.16
CIELCh	67, 17.310, 97.469
Yxy	36.5176, 0.3487, 0.3739
Android (android.graphics.Color)	4289438596 (0xFFABA384)
YUV	161.8580, -14.7200, 8.0175
Hunter-Lab	60.4298, -5.1518, 15.7209

# Details

The YIQ color **161.8580, 14.7190, -7.9450** is a light color, and the websafe version is hex **999966**. A complement of this color would be **141.1420, -14.7190, 7.9450**, and the grayscale version is **162.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **216.9290, 15.9570, -8.3550**, and **109.7870, 13.4810, -7.5350** is the 20% darker color. If you saturate the color by 10%, you get **157.5720, 21.2760, -11.1400**, and if you desaturate by 10%, it is **166.1440, 8.1620, -4.7500**.

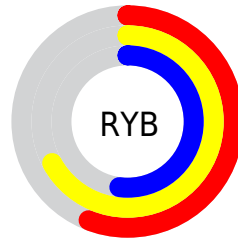
# Distribution



Red (67%)

Green (64%)

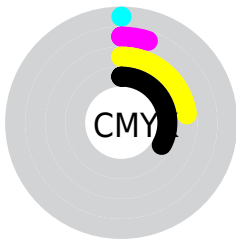
Blue (52%)



Red (56%)

Yellow (67%)

Blue (52%)

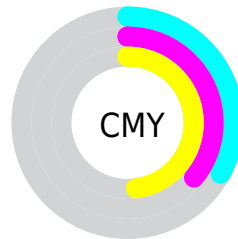


Cyan (0%)

Magenta (5%)

Yellow (23%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 161.8580, 14.7190, -7.9450 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 161.8580, 14.7190, -7.9450 by changing the saturation by 10% instead.



■ 161.8580, 14.7190,  
-7.9450

■ 161.8580, 14.7190,  
-7.9450

■ 255.0000, -0.0000,  
-0.0000

■ 135.6730, 13.8020,  
-7.8460

■ 216.9290, 15.9570,  
-8.3550

■ 109.7870, 13.4810,  
-7.5350

■ 244.9290, 15.9570,  
-8.3550

■ 85.6020, 12.5640,  
-7.4360

■ 253.4040, 4.4940,  
-4.3540

■ 62.4170, 11.6470,  
-7.3370

■ 40.2320, 10.7300,  
-7.2380

■ 20.6880, 9.4460,  
-5.9940

■ 0.0000, 0.0000,

0.0000

■ 161.8580, 14.7190,  
-7.9450

■ 161.8580, 14.7190,  
-7.9450

■ 157.5720, 21.2760,  
-11.1400

■ 166.1440, 8.1620,  
-4.7500

■ 153.8730, 27.5580,  
-14.8580

■ 169.8430, 1.8800,  
-1.0320

■ 149.5870, 34.1150,  
-18.0530

■ 174.1290, -4.6770,  
2.1630

■ 145.8880, 40.3970,  
-21.7710

■ 177.8280,  
-10.9590, 5.8810

■ 141.6020, 46.9540,  
-24.9660

■ 182.2280,  
-17.8370, 9.3870

■ 137.7890, 53.5570,  
-28.9950

■ 185.9270,  
-24.1190, 13.1050

■ 133.5030, 60.1140,  
-32.1900

■ 190.2130,  
-30.6760, 16.3000

■ 130.9610, 64.5160,  
-34.8760

■ 192.3160,  
-32.4640, 15.6640

■ 194.6640,  
-33.5640, 13.5720

# Harmonies

## Analogous

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



163.7500, 24.0710, -1.2170



161.8580, 14.7190, -7.9450



160.0950, 0.6900, -12.5100

# Triad

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



161.8580, 14.7190, -7.9450



157.4890, -32.4140, -7.2780



165.6740, 13.2020, 14.0500

# Complementary

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



161.8580, 14.7190, -7.9450



141.1420, -14.7190, 7.9450

# 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.



165.3070, -1.8820, 12.0860



161.8580, 14.7190, -7.9450



159.8580, -28.8390, -0.4790

# Square

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



161.8580, 14.7190, -7.9450



156.9640, -26.6820, -12.0420



162.5330, -17.3780, 6.5740



165.6550, 23.3810, 11.2930



# Rectangle

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



161.8580, 14.7190, -7.9450



158.8920, -8.9840, -13.4000



162.5330, -17.3780, 6.5740



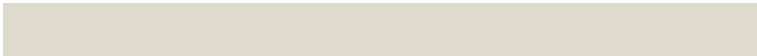
165.9230, 8.0670, 13.4990

# Sweetspot

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



161.8580, 14.7190, -7.9450



218.4150, 5.9610, -3.4070



144.5730, 20.6760, 10.7560



109.8000, 3.4390, -1.7530



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



161.8580, 14.7190, -7.9450



208.1160, 22.5600, -12.3840



163.2650, 5.9630, -14.4610



84.8000, 3.4390, -1.7530



115.2900, 56.4000, -30.9600



17.4430, 8.7580, -4.5380



# Inverse Universe

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



141.1420, -14.7190, 7.9450



175.8840, -22.5600, 12.3840



139.7350, -5.9630, 14.4610



80.2000, -3.4390, 1.7530



35.2970, -56.6750, 30.4370



5.5570, -8.7580, 4.5380



# Previews

## White Background



This preview shows how the YIQ color 161.8580, 14.7190, -7.9450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

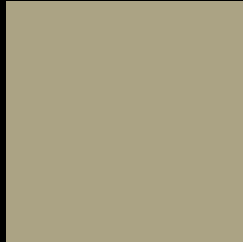
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 161.8580, 14.7190, -7.9450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

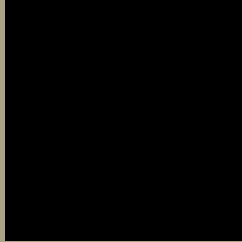
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 161.8580, 14.7190, -7.9450

## Background



This preview shows how black text looks on a background with the YIQ color 161.8580, 14.7190, -7.9450.



This preview shows how white text looks on a background with the YIQ color 161.8580, 14.7190,

-7.9450.

# 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

161.8580, 14.7190, -7.9450

### Protanopia

161.8690, 16.1860, -6.9980

### Deuteranopia

163.2450, 27.0510, -0.1570



## Tritanopia

164.7500, 6.8760, 7.5480

# Trichromacy



## Original Color

161.8580, 14.7190, -7.9450

## Protanomaly

161.5700, 15.5900, -7.2100

## Deuteranomaly

162.9130, 22.0540, -3.2100

## Tritanomaly

163.7300, 9.6280, 1.7240

# Monochromacy



## Original Color

161.8580, 14.7190, -7.9450

## Achromatopsia

162.0000, -0.0000, 0.0000

## Achromatomaly

161.6430, 5.3190, -2.7850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 161.8580, 14.7190, -7.9450 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(171, 163, 132)` looks like.

```
.text, #text, p{  
    color:rgb(171, 163, 132)  
}
```

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(171, 163, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 163, 132) }
```

## Border

The CSS property to change the border of an element to YIQ 161.8580, 14.7190, -7.9450 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(171, 163, 132) }
```



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

```
.border{ border-color:rgb(171, 163, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 163, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 163, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 163, 132);  
box-shadow:4px 4px 4px 4px rgb(171, 163,  
132) }
```

# Background

The CSS property to change the background color of an element to YIQ 161.8580, 14.7190, -7.9450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 163, 132) }
```

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

```
.background{ background-color: rgb(171,  
163, 132) }
```

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