

# Converting Colors

YIQ(170.8970, 9.8150, -18.1930)

Have a look what the booklet for  
YIQ(170.8970, 9.8150, -18.1930)  
contains.

<b>YIQ(170.8970, 9.8150, -18.1930)</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(170.8970, 9.8150,  
-18.1930)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9B481
RGB	169, 180, 129
RGB Percent	66%, 71%, 51%
CMY	0.3373, 0.2941, 0.4940
CMYK	0.06, 0.00, 0.28, 0.29
HSL	73°, 25%, 61%
HSV	73°, 28%, 71%
XYZ	36.6450, 42.6632, 27.0793
YIQ	170.8970, 9.8150, -18.1930

# Conversions

## Conversions Part 2

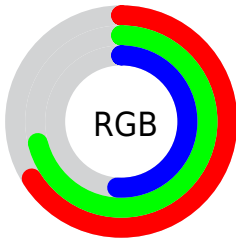
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 180, 140
Decimal	11121793
CIE Lab	71.33, -12.49, 24.79
CIE LCh	71, 27.759, 116.748
Yxy	42.6632, 0.3444, 0.4010
Android (android.graphics.Color)	4289311873 (0xFFA9B481)
YUV	170.8970, -20.6552, -1.6637
Hunter-Lab	65.3171, -14.1607, 21.1414

# Details

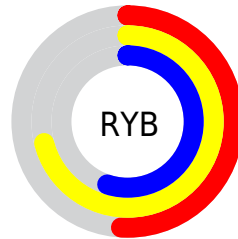
The YIQ color **170.8970, 9.8150, -18.1930** is a light color, and the websafe version is hex **999966**. A complement of this color would be **138.1030, -9.8150, 18.1930**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **226.5550, 10.7780, -19.1260**, and **118.2390, 8.8520, -17.2600** is the 20% darker color. If you saturate the color by 10%, you get **167.6490, 13.2090, -24.6390**, and if you desaturate by 10%, it is **174.1450, 6.4210, -11.7470**.

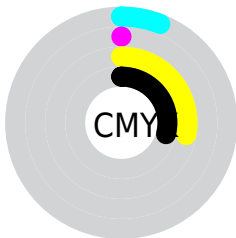
# Distribution



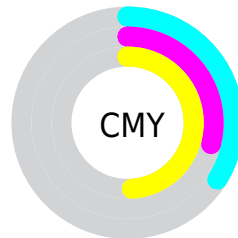
- Red (66%)
- Green (71%)
- Blue (51%)



- Red (51%)
- Yellow (71%)
- Blue (55%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (29%)



- Cyan (34%)
- Magenta (29%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 170.8970, 9.8150, -18.1930 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 170.8970, 9.8150, -18.1930 by changing the saturation by 10% instead.



■ 170.8970, 9.8150,  
-18.1930

■ 170.8970, 9.8150,  
-18.1930

255.0000, -0.0000,  
-0.0000

■ 144.1250, 9.1730,  
-17.5710

■ 226.5550, 10.7780,  
-19.1260

■ 118.2390, 8.8520,  
-17.2600

■ 249.2720, 13.2530,  
-14.4190

■ 93.4670, 8.2100,  
-16.6380

■ 253.0620, 5.4570,  
-5.2870

■ 69.5810, 7.8890,  
-16.3270

■ 46.6950, 7.5680,  
-16.0160

■ 26.8350, 4.3580,  
-12.9060

■ 5.2830, -2.4750,

-4.7070

0.0000, 0.0000,  
0.0000

170.8970, 9.8150,  
-18.1930

170.8970, 9.8150,  
-18.1930

167.6490, 13.2090,  
-24.6390

174.1450, 6.4210,  
-11.7470

164.4010, 16.6030,  
-31.0850

177.3930, 3.0270,  
-5.3010

161.1530, 19.9970,  
-37.5310

180.6410, -0.3670,  
1.1450

157.9050, 23.3910,  
-43.9770

183.8890, -3.7610,  
7.5910

154.9560, 27.3810,  
-50.2110

186.8380, -7.7510,  
13.8250

■ 151.7080, 30.7750,  
-56.6570

■ 190.0860,  
-11.1450, 20.2710

■ 148.4600, 34.1690,  
-63.1030

■ 193.3340,  
-14.5390, 26.7170

■ 147.8190, 34.5360,  
-64.2480

■ 194.5300,  
-12.1550, 27.5650

■ 195.7260, -9.7710,  
28.4130

# Harmonies

## Analogous

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



173.7040, 29.7120, -9.8400



170.8970, 9.8150, -18.1930



167.6860, -14.5760, -22.1920

# Triad

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



170.8970, 9.8150, -18.1930



165.5110, -55.8430, -6.6830



178.2420, 32.2740, 20.8340

# Complementary

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



170.8970, 9.8150, -18.1930



138.1030, -9.8150, 18.1930

# 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.



178.9440, 12.7420, 22.3900



170.8970, 9.8150, -18.1930



171.6970, -38.3310, 6.3490

# Square

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



170.8970, 9.8150, -18.1930



162.0020, -56.2080, -16.5920



176.6080, -12.7950, 17.1330



176.8760, 41.8120, 13.1720



# Rectangle

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



170.8970, 9.8150, -18.1930



165.0030, -31.5860, -22.2900



176.6080, -12.7950, 17.1330



178.6590, 26.7260, 22.2620

# Sweetspot

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



170.8970, 9.8150, -18.1930



231.6380, 3.7150, -6.7570



150.1190, 27.6460, 5.5820



115.1480, 2.3390, -3.8450



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



170.8970, 9.8150, -18.1930



220.4980, 14.9520, -28.6960



163.4220, -5.0850, -23.4930



87.3760, 1.6970, -3.2230



125.6910, 29.4450, -54.5790



21.2420, 4.7700, -9.3580



# Inverse Universe

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



138.1030, -9.8150, 18.1930



169.2030, -15.5480, 28.4840



145.5780, 5.0850, 23.4930



81.6240, -1.6970, 3.2230



27.3090, -29.4450, 54.5790



4.7580, -4.7700, 9.3580



# Previews

## White Background



This preview shows how the YIQ color 170.8970, 9.8150, -18.1930 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 170.8970, 9.8150, -18.1930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

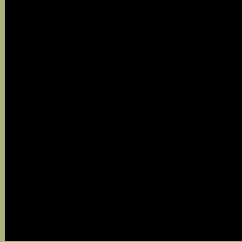
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 170.8970, 9.8150, -18.1930

## Background



This preview shows how black text looks on a background with the YIQ color 170.8970, 9.8150, -18.1930.



This preview shows how white text looks on a background with the YIQ color 170.8970, 9.8150,

-18.1930.

# 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

170.8970, 9.8150, -18.1930

### Protanopia

172.8280, 23.4310, -11.6490

### Deuteranopia

174.3720, 33.8830, -2.8290



## Tritanopia

175.6780, -1.7890, 4.8910

# Trichromacy



## Original Color

170.8970, 9.8150, -18.1930

## Protanomaly

172.0230, 18.3880, -13.8680

## Deuteranomaly

173.3060, 25.0810, -8.5110

## Tritanomaly

174.1480, 2.3390, -3.8450

# Monochromacy



## Original Color

170.8970, 9.8150, -18.1930

## Achromatopsia

171.0000, -0.0000, -0.0000

## Achromatomaly

170.7520, 3.3940, -6.4460

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 170.8970, 9.8150, -18.1930 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(169, 180, 129)` looks like.

```
.text, #text, p{  
    color:rgb(169, 180, 129)  
}
```

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(169, 180, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 180, 129) }
```

## Border

The CSS property to change the border of an element to YIQ 170.8970, 9.8150, -18.1930 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(169, 180, 129) }
```







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