

# Converting Colors

YIQ(121.5070, 2.7060, -4.9900)

Have a look what the booklet for  
YIQ(121.5070, 2.7060, -4.9900)  
contains.

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# Color

**YIQ(121.5070, 2.7060,  
-4.9900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	797C6E
RGB	121, 124, 110
RGB Percent	47%, 49%, 43%
CMY	0.5255, 0.5137, 0.5686
CMYK	0.02, 0.00, 0.11, 0.51
HSL	73°, 6%, 46%
HSV	73°, 11%, 49%
XYZ	17.9072, 19.6062, 17.5940
YIQ	121.5070, 2.7060, -4.9900

# Conversions

## Conversions Part 2

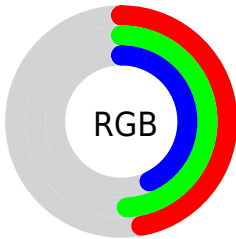
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 124, 113
Decimal	7961710
CIE Lab	51.39, -3.83, 7.25
CIE LCh	51, 8.204, 117.849
Yxy	19.6062, 0.3250, 0.3558
Android (android.graphics.Color)	4286151790 (0xFF797C6E)
YUV	121.5070, -5.6730, -0.4446
Hunter-Lab	44.2789, -5.2994, 7.4366

# Details

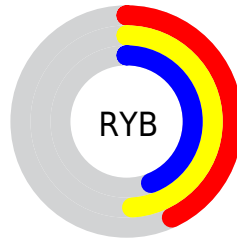
The YIQ color  $121.5070, 2.7060, -4.9900$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $112.4930, -2.7060, 4.9900$ , and the grayscale version is  $122.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $173.5070, 2.7060, -4.9900$ , and  $72.6210, 2.3850, -4.6790$  is the 20% darker color. If you saturate the color by 10%, you get  $119.2420, 4.7700, -9.3580$ , and if you desaturate by 10%, it is  $123.7720, 0.6420, -0.6220$ .

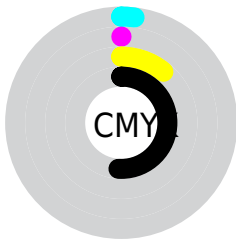
# Distribution



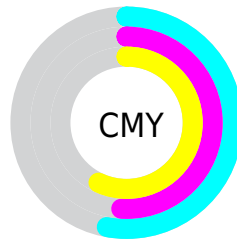
- Red (47%)
- Green (49%)
- Blue (43%)



- Red (43%)
- Yellow (49%)
- Blue (44%)



- Cyan (2%)
- Magenta (0%)
- Yellow (11%)
- Black (51%)



- Cyan (53%)
- Magenta (51%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 121.5070, 2.7060, -4.9900 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 121.5070, 2.7060, -4.9900 by changing the saturation by 10% instead.



■ 121.5070, 2.7060,  
-4.9900

■ 121.5070, 2.7060,  
-4.9900

■ 255.0000, -0.0000,  
-0.0000

■ 96.6210, 2.3850,  
-4.6790

■ 173.5070, 2.7060,  
-4.9900

■ 72.6210, 2.3850,  
-4.6790

■ 201.3930, 3.0270,  
-5.3010

■ 50.7350, 2.0640,  
-4.3680

■ 229.2790, 3.3480,  
-5.6120

■ 29.7350, 2.0640,  
-4.3680

■ 253.8600, 3.2100,  
-3.1100

■ 4.6960, -2.2000,  
-4.1840

■ 0.0000, 0.0000,  
0.0000

■ 121.5070, 2.7060,  
-4.9900

■ 121.5070, 2.7060,  
-4.9900

■ 119.2420, 4.7700,  
-9.3580

■ 123.7720, 0.6420,  
-0.6220

■ 117.1620, 7.7510,  
-13.8250

■ 125.8520, -2.3390,  
3.8450

■ 114.8970, 9.8150,  
-18.1930

■ 128.1170, -4.4030,  
8.2130

■ 112.5180, 12.2000,  
-22.8720

■ 130.4960, -6.7880,  
12.8920

■ 110.5520, 14.8600,  
-27.0280

■ 132.4620, -9.4480,  
17.0480

■ 108.2870, 16.9240,  
-31.3960

■ 134.7270,  
-11.5120, 21.4160

■ 105.9080, 19.3090,  
-36.0750

■ 137.1060,  
-13.8970, 26.0950

■ 103.9420, 21.9690,

■ 139.0720,

-40.2310

-16.5570, 30.2510

■ 101.7910, 23.7120,  
-44.2880

■ 141.4510,  
-18.9420, 34.9300

# Harmonies

## Analogous

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



122.6110, 8.3450, -2.5590



121.5070, 2.7060, -4.9900



120.8590, -4.2170, -6.1770

# Triad

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



121.5070, 2.7060, -4.9900



120.9430, -13.0210, -0.8050



123.9520, 9.1230, 5.3710

# Complementary

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



121.5070, 2.7060, -4.9900



112.4930, -2.7060, 4.9900

# 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.



123.8420, 3.6210, 5.9650



121.5070, 2.7060, -4.9900



122.0900, -8.9410, 2.3470

# Square

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



121.5070, 2.7060, -4.9900



120.0630, -13.4790, -3.5190



123.1940, -3.3020, 4.7780



123.7520, 12.5620, 3.6180



# Rectangle

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



121.5070, 2.7060, -4.9900



120.1190, -7.8850, -5.7810



123.1940, -3.3020, 4.7780



123.9950, 7.5640, 6.0920

# Sweetspot

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



121.5070, 2.7060, -4.9900



160.1310, 1.0090, -1.7670



115.9470, 7.5190, 1.3990



81.2450, 0.6880, -1.4560



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



121.5070, 2.7060, -4.9900



156.8830, 4.4030, -8.2130



119.4140, -1.4660, -6.4740



60.0170, 1.3300, -2.0780



102.6770, 24.0330, -44.5990



207.1260, 48.7080, -89.8200



# Inverse Universe

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



112.4930, -2.7060, 4.9900



142.1170, -4.4030, 8.2130



114.5860, 1.4660, 6.4740



55.9830, -1.3300, 2.0780



22.3230, -24.0330, 44.5990

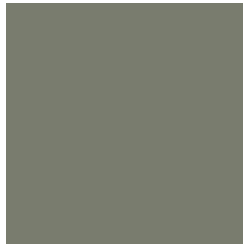


44.8740, -48.7080, 89.8200



# Previews

## White Background



This preview shows how the YIQ color 121.5070, 2.7060, -4.9900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

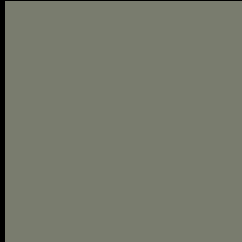
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 121.5070, 2.7060, -4.9900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

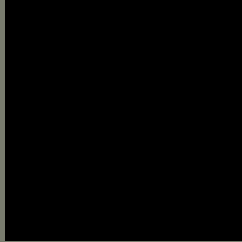
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**YIQ 121.5070, 2.7060, -4.9900**

## **Background**



This preview shows how black text looks on a background with the YIQ color 121.5070, 2.7060, -4.9900.



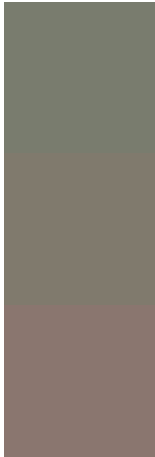
This preview shows how white text looks on a background with the YIQ color 121.5070, 2.7060,

-4.9900.

# 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

121.5070, 2.7060, -4.9900

### Protanopia

122.3120, 7.7490, -2.7710

### Deuteranopia

123.1820, 14.1670, 2.0630



## Tritanopia

123.0370, -1.4220, 3.7460

# Trichromacy



## Original Color

121.5070, 2.7060, -4.9900

## Protanomaly

122.0020, 5.6860, -3.9300

## Deuteranomaly

122.5620, 10.0410, -0.2550

## Tritanomaly

122.4130, 0.2750, 0.5230

# Monochromacy



## Original Color

121.5070, 2.7060, -4.9900

## Achromatopsia

122.0000, 0.0000, -0.0000

## Achromatomaly

122.1310, 1.0090, -1.7670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 121.5070, 2.7060, -4.9900 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(121, 124, 110)` looks like.

```
.text, #text, p{  
    color:rgb(121, 124, 110)  
}
```

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(121, 124, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 124, 110) }
```

## Border

The CSS property to change the border of an element to YIQ 121.5070, 2.7060, -4.9900 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(121, 124, 110) }
```



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

```
.border{ border-color:rgb(121, 124, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 124, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 124, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 124, 110);  
box-shadow:4px 4px 4px 4px rgb(121, 124,  
110) }
```

# Background

The CSS property to change the background color of an element to YIQ 121.5070, 2.7060, -4.9900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 124, 110) }
```

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

```
.background{ background-color: rgb(121,  
124, 110) }
```

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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