

Converting Colors

YIQ(117.9870, 0.8740, -15.8460)

Have a look what the booklet for
YIQ(117.9870, 0.8740, -15.8460)
contains.

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Color

**YIQ(117.9870, 0.8740,
-15.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	6D805A
RGB	109, 128, 90
RGB Percent	43%, 50%, 35%
CMY	0.5726, 0.4980, 0.6470
CMYK	0.15, 0.00, 0.30, 0.50
HSL	90°, 17%, 43%
HSV	90°, 30%, 50%
XYZ	15.8705, 19.4288, 12.5884
YIQ	117.9870, 0.8740, -15.8460

Conversions

Conversions Part 2

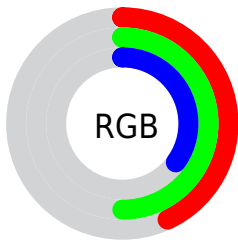
Format	Color
R_{YB}	90, 128, 109
Decimal	7176282
CIE _{Lab}	51.19, -14.26, 18.40
CIE _{LCh}	51, 23.283, 127.770
Yxy	19.4288, 0.3314, 0.4057
Android (android.graphics.Color)	4285366362 (0xFF6D805A)
YUV	117.9870, -13.7976, -7.8816
Hunter-Lab	44.0781, -12.8670, 13.9219

Details

The YIQ color $117.9870, 0.8740, -15.8460$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $100.0130, -0.8740, 15.8460$, and the grayscale version is $118.0000, 0.0000, -0.0000$.

A 20% lighter version of the original color is $170.3460, 1.2410, -16.9910$, and $69.6280, 0.5070, -14.7010$ is the 20% darker color. If you saturate the color by 10%, you get $114.7110, 1.4710, -21.1610$, and if you desaturate by 10%, it is $121.2630, 0.2770, -10.5310$.

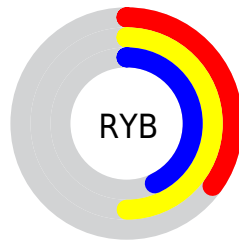
Distribution



Red (43%)

Green (50%)

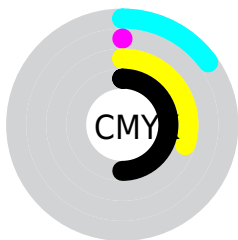
Blue (35%)



Red (35%)

Yellow (50%)

Blue (43%)

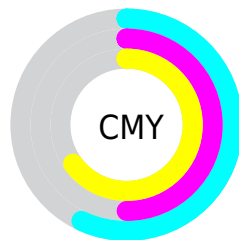


Cyan (15%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (57%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.9870, 0.8740, -15.8460 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 117.9870, 0.8740, -15.8460 by changing the saturation by 10% instead.

■ 117.9870, 0.8740,
-15.8460

■ 117.9870, 0.8740,
-15.8460

■ 255.0000, -0.0000,
-0.0000

■ 93.1010, 0.5530,
-15.5350

■ 170.3460, 1.2410,
-16.9910

■ 69.6280, 0.5070,
-14.7010

■ 197.3460, 1.2410,
-16.9910

■ 46.8560, -0.1350,
-14.0790

■ 225.8190, 1.2870,
-17.8250

■ 25.9380, 2.5700,
-13.5420

■ 248.2480, 4.6330,
-12.3830

■ 4.6960, -2.2000,
-4.1840

■ 254.5440, 1.2840,
-1.2440

■ 0.0000, 0.0000,
0.0000

■ 117.9870, 0.8740,
-15.8460

■ 117.9870, 0.8740,
-15.8460

■ 114.7110, 1.4710,
-21.1610

■ 121.2630, 0.2770,
-10.5310

■ 111.1360, 1.4720,
-26.6880

■ 124.8380, 0.2760,
-5.0040

■ 107.9740, 1.7480,
-31.6920

■ 128.0000, -0.0000,
-0.0000

■ 104.3990, 1.7490,
-37.2190

■ 131.5750, -0.0010,
5.5270

■ 101.1230, 2.3460,
-42.5340

■ 134.8510, -0.5980,
10.8420

■ 97.8470, 2.9430,
-47.8490

■ 138.1270, -1.1950,
16.1570

■ 94.2720, 2.9440,
-53.3760

■ 141.7020, -1.1960,
21.6840

■ 144.8640, -1.4720,

26.6880

■ 148.4390, -1.4730,
32.2150

Harmonies

Analogous

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



120.1310, 18.2040, -10.5320



117.9870, 0.8740, -15.8460



115.2820, -19.0700, -17.8380

Triad

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



117.9870, 0.8740, -15.8460



115.5730, -41.2180, -1.9060



124.2860, 28.9740, 14.5580

Complementary

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



117.9870, 0.8740, -15.8460



100.0130, -0.8740, 15.8460

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.



125.0490, 16.6400, 17.8240



117.9870, 0.8740, -15.8460



121.0640, -23.2470, 8.3130

Square

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



117.9870, 0.8740, -15.8460



111.7690, -48.0020, -11.1220



124.1160, -2.6620, 15.2100



123.6960, 33.3310, 7.1790

Rectangle

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



117.9870, 0.8740, -15.8460



112.9800, -32.7790, -17.1870



124.1160, -2.6620, 15.2100



124.4860, 25.5350, 16.3110

Sweetspot

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



117.9870, 0.8740, -15.8460



161.8980, 0.0470, -6.3610



112.5150, 17.4230, -1.8810



81.7780, 0.5050, -3.6470



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



117.9870, 0.8740, -15.8460



150.1900, 1.3800, -25.0200



112.3060, -10.4500, -19.8740



62.3050, 0.4590, -2.8130



94.2720, 2.9440, -53.3760



0.0000, 0.0000, 0.0000

Inverse Universe

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



100.0130, -0.8740, 15.8460



121.8100, -1.3800, 25.0200



105.6940, 10.4500, 19.8740



58.9940, 0.1370, 3.0250



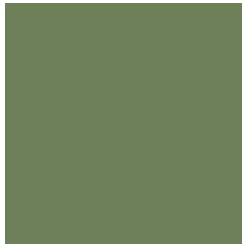
33.7280, -2.9440, 53.3760



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 117.9870, 0.8740, -15.8460 looks on a white background.

Color Contrast Check

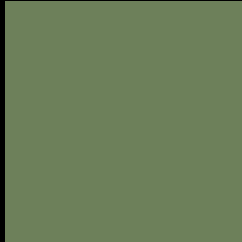
Large Text (above 18pt) WCAG AA ✓ Pass

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 117.9870, 0.8740, -15.8460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

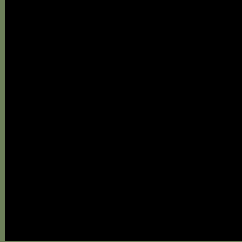
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.9870, 0.8740, -15.8460

Background



This preview shows how black text looks on a background with the YIQ color 117.9870, 0.8740, -15.8460.



This preview shows how white text looks on a background with the YIQ color 117.9870, 0.8740,

-15.8460.

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

117.9870, 0.8740, -15.8460

Protanopia

120.7010, 16.5990, -8.9770

Deuteranopia

121.9240, 23.5210, -2.2630



Tritanopia

121.6340, -7.6570, 1.1030

Trichromacy



Original Color

117.9870, 0.8740, -15.8460

Protanomaly

119.5970, 10.9600, -11.4080

Deuteranomaly

120.5700, 15.5900, -7.2100

Tritanomaly

120.5000, -4.5840, -5.0320

Monochromacy



Original Color

117.9870, 0.8740, -15.8460

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.3110, 0.3220, -5.8380

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.9870, 0.8740, -15.8460 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(109, 128, 90)` looks like.

```
.text, #text, p{  
    color:rgb(109, 128, 90)  
}
```

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(109, 128, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 128, 90) }
```

Border

The CSS property to change the border of an element to YIQ 117.9870, 0.8740, -15.8460 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(109, 128, 90) }
```


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

```
.border{ border-color:rgb(109, 128, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 128, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 128, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 128, 90);  
box-shadow:4px 4px 4px 4px rgb(109, 128,  
90) }
```

Background

The CSS property to change the background color of an element to YIQ 117.9870, 0.8740, -15.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 128, 90) }
```

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

```
.background{ background-color: rgb(109,  
128, 90) }
```

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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