

# Converting Colors

YIQ(129.8250, 1.1500, -20.8500)

Have a look what the booklet for  
YIQ(129.8250, 1.1500, -20.8500)  
contains.

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# Color

**YIQ(129.8250, 1.1500,  
-20.8500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	768F5D
RGB	118, 143, 93
RGB Percent	46%, 56%, 36%
CMY	0.5373, 0.4392, 0.6352
CMYK	0.18, 0.00, 0.35, 0.44
HSL	90°, 21%, 46%
HSV	90°, 35%, 56%
XYZ	19.2684, 24.2885, 14.0311
YIQ	129.8250, 1.1500, -20.8500

# Conversions

## Conversions Part 2

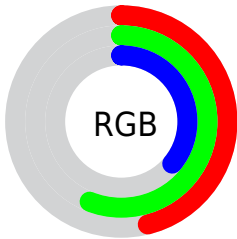
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 143, 118
Decimal	7769949
CIE <sub>Lab</sub>	56.38, -18.24, 23.77
CIE <sub>LCh</sub>	56, 29.958, 127.506
Yxy	24.2885, 0.3346, 0.4218
Android (android.graphics.Color)	4285960029 (0xFF768F5D)
YUV	129.8250, -18.1547, -10.3705
Hunter-Lab	49.2833, -16.4575, 17.6183

# Details

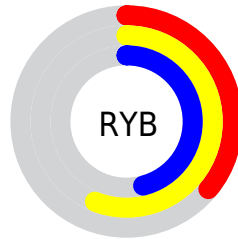
The YIQ color  $129.8250, 1.1500, -20.8500$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $106.1750, -1.1500, 20.8500$ , and the grayscale version is  $130.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $183.1840, 1.5170, -21.9950$ , and  $80.4660, 0.7830, -19.7050$  is the 20% darker color. If you saturate the color by 10%, you get  $126.1360, 1.4720, -26.6880$ , and if you desaturate by 10%, it is  $133.5140, 0.8280, -15.0120$ .

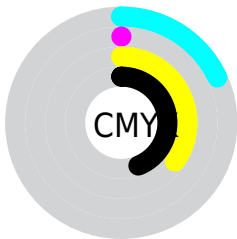
# Distribution



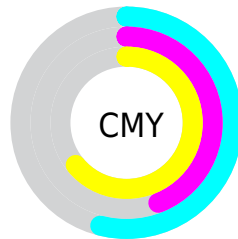
- Red (46%)
- Green (56%)
- Blue (36%)



- Red (36%)
- Yellow (56%)
- Blue (46%)



- Cyan (18%)
- Magenta (0%)
- Yellow (35%)
- Black (44%)



- Cyan (54%)
- Magenta (44%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 129.8250, 1.1500, -20.8500 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 129.8250, 1.1500, -20.8500 by changing the saturation by 10% instead.





 129.8250, 1.1500,  
-20.8500

 129.8250, 1.1500,  
-20.8500

255.0000, -0.0000,  
-0.0000

 104.3520, 1.1040,  
-20.0160


 183.1840, 1.5170,  
-21.9950


 80.4660, 0.7830,  
-19.7050


 210.6570, 1.5630,  
-22.8290


 56.6940, 0.1410,  
-19.0830

 239.5430, 1.8840,  
-23.1400

 34.1780, 1.6540,  
-18.9700

 251.6940, 9.3090,  
-9.0190

 15.8490, -7.4250,  
-14.1210

 0.0000, 0.0000,  
0.0000

■ 129.8250, 1.1500,  
-20.8500

■ 129.8250, 1.1500,  
-20.8500

■ 126.1360, 1.4720,  
-26.6880

■ 133.5140, 0.8280,  
-15.0120

■ 122.3330, 2.1150,  
-32.8370

■ 137.3170, 0.1850,  
-8.8630

■ 118.3450, 1.8410,  
-38.8870

■ 141.0060, -0.1370,  
-3.0250

■ 114.6560, 2.1630,  
-44.7250

■ 144.9940, 0.1370,  
3.0250

■ 110.9670, 2.4850,  
-50.5630

■ 148.7970, -0.5060,  
9.1740

■ 107.1640, 3.1280,  
-56.7120

■ 152.4860, -0.8280,  
15.0120

■ 105.1700, 2.9910,  
-59.7370

■ 156.1750, -1.1500,  
20.8500

■ 159.8640, -1.4720,

26.6880

■ 163.6670, -2.1150,  
32.8370

# Harmonies

## Analogous

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



132.9480, 22.9730, -14.3630



129.8250, 1.1500, -20.8500



125.5860, -26.0380, -23.7180

# Triad

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



129.8250, 1.1500, -20.8500



124.5370, -58.7320, -3.8840



137.9390, 37.5010, 19.7170

# Complementary

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



129.8250, 1.1500, -20.8500



106.1750, -1.1500, 20.8500

# 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.



138.7770, 20.5820, 23.4780



129.8250, 1.1500, -20.8500



133.1540, -32.1880, 10.6600

# Square

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



129.8250, 1.1500, -20.8500



116.5640, -72.5300, -18.1460



138.0930, -3.8550, 20.3130



136.8390, 43.2340, 9.4260



# Rectangle

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



129.8250, 1.1500, -20.8500



121.6470, -45.2030, -23.3070



138.0930, -3.8550, 20.3130



137.9540, 33.1450, 21.5690

# Sweetspot

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



129.8250, 1.1500, -20.8500



181.2570, 0.4140, -7.5060



122.6250, 22.9250, -2.4750



91.2510, 0.5510, -4.4810



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



129.8250, 1.1500, -20.8500



165.4470, 1.7940, -32.5260



122.3500, -13.7500, -26.1500



69.3050, 0.4590, -2.8130



99.2780, 2.8070, -56.4010



5.8920, 0.1840, -3.3360



# Inverse Universe

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



106.1750, -1.1500, 20.8500



128.5530, -1.7940, 32.5260



113.6500, 13.7500, 26.1500



65.9940, 0.1370, 3.0250



35.7220, -2.8070, 56.4010



2.1080, -0.1840, 3.3360



# Previews

## White Background



This preview shows how the YIQ color 129.8250, 1.1500, -20.8500 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 129.8250, 1.1500, -20.8500 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 129.8250, 1.1500, -20.8500

## Background



This preview shows how black text looks on a background with the YIQ color 129.8250, 1.1500, -20.8500.



This preview shows how white text looks on a background with the YIQ color 129.8250, 1.1500, -20.8500.

-20.8500.

# 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

129.8250, 1.1500, -20.8500

### Protanopia

133.1590, 21.0010, -11.6630

### Deuteranopia

134.5070, 29.0690, -3.6910



## Tritanopia

134.2640, -9.4910, 1.3010

# Trichromacy



## Original Color

129.8250, 1.1500, -20.8500

## Protanomaly

132.0440, 13.8950, -15.0410

## Deuteranomaly

132.8430, 19.0750, -9.7970

## Tritanomaly

132.8480, -5.6840, -7.1240

# Monochromacy



## Original Color

129.8250, 1.1500, -20.8500

## Achromatopsia

130.0000, -0.0000, -0.0000

## Achromatomaly

130.2570, 0.4140, -7.5060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 129.8250, 1.1500, -20.8500 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(118, 143, 93)` looks like.

```
.text, #text, p{  
    color:rgb(118, 143, 93)  
}
```

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(118, 143, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 143, 93) }
```

## Border

The CSS property to change the border of an element to YIQ 129.8250, 1.1500, -20.8500 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(118, 143, 93) }
```



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

```
.border{ border-color:rgb(118, 143, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 143, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 143, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 143, 93);  
box-shadow:4px 4px 4px 4px rgb(118, 143,  
93) }
```

# Background

The CSS property to change the background color of an element to YIQ 129.8250, 1.1500, -20.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 143, 93) }
```

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

```
.background{ background-color: rgb(118,  
143, 93) }
```

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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