

# Converting Colors

YIQ(123.3990, 10.9170,  
-27.1550)

Have a look what the booklet for  
YIQ(123.3990, 10.9170, -27.1550)  
contains.

<b>YIQ(123.3990, 10.9170, -27.1550)</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(123.3990, 10.9170,  
-27.1550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	758A41
RGB	117, 138, 65
RGB Percent	46%, 54%, 25%
CMY	0.5413, 0.4588, 0.7450
CMYK	0.15, 0.00, 0.53, 0.46
HSL	77°, 36%, 40%
HSV	77°, 53%, 54%
XYZ	17.3774, 22.3416, 8.4014
YIQ	123.3990, 10.9170, -27.1550

# Conversions

## Conversions Part 2

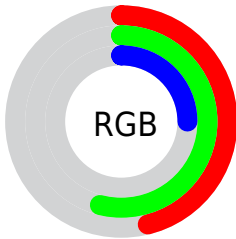
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 138, 86
Decimal	7703105
CIELab	54.39, -19.61, 36.21
CIELCh	54, 41.183, 118.439
Yxy	22.3416, 0.3611, 0.4643
Android (android.graphics.Color)	4285893185 (0xFF758A41)
YUV	123.3990, -28.7907, -5.6119
Hunter-Lab	47.2669, -17.0925, 22.5484

# Details

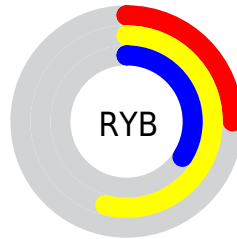
The YIQ color  $123.3990, 10.9170, -27.1550$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $79.6010, -10.9170, 27.1550$ , and the grayscale version is  $124.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $176.3560, 12.4760, -27.8760$ , and  $73.2140, 10.0000, -27.0560$  is the 20% darker color. If you saturate the color by 10%, you get  $120.6070, 13.0270, -32.3570$ , and if you desaturate by 10%, it is  $126.1910, 8.8070, -21.9530$ .

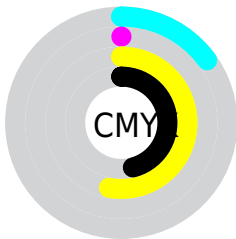
# Distribution



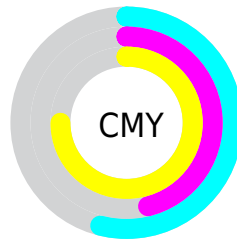
- Red (46%)
- Green (54%)
- Blue (25%)



- Red (25%)
- Yellow (54%)
- Blue (34%)



- Cyan (15%)
- Magenta (0%)
- Yellow (53%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.3990, 10.9170, -27.1550 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 123.3990, 10.9170, -27.1550 by changing the saturation by 10% instead.



■ 123.3990, 10.9170,  
-27.1550

■ 123.3990, 10.9170,  
-27.1550

■ 255.0000, -0.0000,  
-0.0000

■ 98.2140, 10.0000,  
-27.0560

■ 176.0570, 11.8800,  
-28.0880

■ 73.2140, 10.0000,  
-27.0560

■ 203.8290, 12.5220,  
-28.7100

■ 51.0120, 7.7530,  
-24.8790

■ 232.6010, 13.1640,  
-29.3320

■ 30.3350, -0.2260,  
-17.9380

■ 248.1600, 19.2600,  
-18.6600

■ 14.0880, -6.6000,  
-12.5520

■ 251.4660, 9.9510,  
-9.6410

■ 0.0000, 0.0000,  
0.0000

254.7720, 0.6420,

-0.6220

■ 123.3990, 10.9170,  
-27.1550

■ 123.3990, 10.9170,  
-27.1550

■ 120.6070, 13.0270,  
-32.3570

■ 126.1910, 8.8070,  
-21.9530

■ 117.8150, 15.1370,  
-37.5590

■ 128.9830, 6.6970,  
-16.7510

■ 115.1370, 16.9260,  
-42.4500

■ 131.6610, 4.9080,  
-11.8600

■ 112.3450, 19.0360,  
-47.6520

■ 134.4530, 2.7980,  
-6.6580

■ 110.3080, 20.4580,  
-51.3980

■ 137.2450, 0.6880,  
-1.4560

■ 140.0370, -1.4220,  
3.7460

■ 142.8290, -3.5320,  
8.9480

■ 145.5070, -5.3210,  
13.8390

■ 148.2990, -7.4310,  
19.0410

# Harmonies

## Analogous

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



126.7940, 37.9660, -16.2580



123.3990, 10.9170, -27.1550



117.0170, -26.1740, -32.2700

# Triad

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



123.3990, 10.9170, -27.1550



105.6010, -100.3150, -15.6990



131.8680, 45.4310, 30.1910

# Complementary

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



123.3990, 10.9170, -27.1550



79.6010, -10.9170, 27.1550

# 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.



133.9760, 18.8840, 32.2280



123.3990, 10.9170, -27.1550



119.5120, -65.6110, 5.1490

# Square

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



123.3990, 10.9170, -27.1550



105.4580, -93.0230, -26.7110



131.8990, -17.7480, 24.3000



130.2370, 57.0330, 18.1610



# Rectangle

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



123.3990, 10.9170, -27.1550



105.3790, -65.4200, -36.8760



131.8990, -17.7480, 24.3000



132.9150, 38.0490, 31.8170

# Sweetspot

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



123.3990, 10.9170, -27.1550



173.0030, 3.9450, -10.9270



99.1540, 37.7330, 4.4930



85.5670, 2.4770, -6.3470



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



123.3990, 10.9170, -27.1550



156.2510, 16.6050, -42.1390



112.6350, -10.5390, -34.7870



67.6040, 1.0550, -2.6010



106.1770, 19.4490, -49.6310



4.1310, 1.0090, -1.7670



# Inverse Universe

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



79.6010, -10.9170, 27.1550



88.4500, -17.2010, 41.9270



90.3650, 10.5390, 34.7870



63.3960, -1.0550, 2.6010



26.5240, -20.0450, 49.4190



0.8690, -1.0090, 1.7670



# Previews

## White Background



This preview shows how the YIQ color 123.3990, 10.9170, -27.1550 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 123.3990, 10.9170, -27.1550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

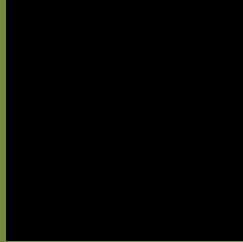
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 123.3990, 10.9170, -27.1550

## Background



This preview shows how black text looks on a background with the YIQ color 123.3990, 10.9170, -27.1550.



This preview shows how white text looks on a background with the YIQ color 123.3990, 10.9170,



# 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

123.3990, 10.9170, -27.1550

### Protanopia

126.4340, 30.1720, -18.1800

### Deuteranopia

128.1950, 38.5150, -9.6850



## Tritanopia

129.9440, -5.5940, 2.2620

# Trichromacy



## Original Color

123.3990, 10.9170, -27.1550

## Protanomaly

125.3190, 23.0660, -21.5580

## Deuteranomaly

126.5310, 28.5210, -15.7910

## Tritanomaly

127.7300, 0.4600, -8.3400

# Monochromacy



## Original Color

123.3990, 10.9170, -27.1550

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

122.9430, 4.1740, -9.5700

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.3990, 10.9170, -27.1550 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(117, 138, 65)` looks like.

```
.text, #text, p{  
    color:rgb(117, 138, 65)  
}
```

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(117, 138, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 138, 65) }
```

## Border

The CSS property to change the border of an element to YIQ 123.3990, 10.9170, -27.1550 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(117, 138, 65) }
```



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

```
.border{ border-color:rgb(117, 138, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 138, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 138, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 138, 65);  
box-shadow:4px 4px 4px 4px rgb(117, 138,  
65) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.3990, 10.9170, -27.1550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 138, 65) }
```

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

```
.background{ background-color: rgb(117,  
138, 65) }
```

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