

# Converting Colors

YIQ(123.1350, 30.7170, 10.5010)

Have a look what the booklet for  
YIQ(123.1350, 30.7170, 10.5010)  
contains.

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# Color

**YIQ(123.1350, 30.7170,  
10.5010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F6C6B
RGB	159, 108, 107
RGB Percent	62%, 42%, 42%
CMY	0.3763, 0.5765, 0.5803
CMYK	0.00, 0.32, 0.33, 0.38
HSL	1°, 21%, 52%
HSV	1°, 33%, 62%
XYZ	22.3200, 19.1569, 16.4398
YIQ	123.1350, 30.7170, 10.5010

# Conversions

## Conversions Part 2

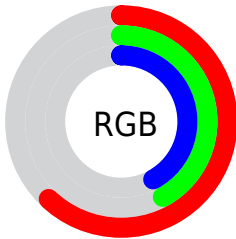
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 108, 107
Decimal	10447979
CIE <sub>Lab</sub>	50.87, 20.24, 8.80
CIE <sub>LCh</sub>	51, 22.071, 23.485
Yxy	19.1569, 0.3854, 0.3308
Android (android.graphics.Color)	4288638059 (0xFF9F6C6B)
YUV	123.1350, -7.9546, 31.4536
Hunter-Lab	43.7686, 14.4319, 8.3682

# Details

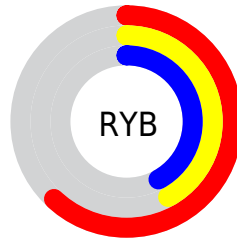
The YIQ color  $123.1350, 30.7170, 10.5010$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $142.8650, -30.7170, -10.5010$ , and the grayscale version is  $123.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $176.2170, 33.4220, 11.0380$ , and  $73.7540, 27.4160, 9.7520$  is the 20% darker color. If you saturate the color by 10%, you get  $111.9190, 40.2530, 13.8930$ , and if you desaturate by 10%, it is  $134.3510, 21.1810, 7.1090$ .

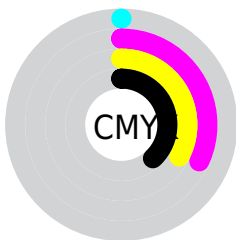
# Distribution



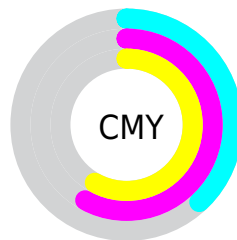
- Red (62%)
- Green (42%)
- Blue (42%)



- Red (62%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (32%)
- Yellow (33%)
- Black (38%)




- Cyan (38%)
- Magenta (58%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 123.1350, 30.7170, 10.5010 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 123.1350, 30.7170, 10.5010 by changing the saturation by 10% instead.





 123.1350, 30.7170,  
10.5010


 123.1350, 30.7170,  
10.5010


255.0000, -0.0000,  
-0.0000


 97.6510, 29.2040,  
10.3880


 176.2170, 33.4220,  
11.0380

 73.7540, 27.4160,  
9.7520


 203.8150, 34.6140,  
11.4620


 49.9710, 25.3070,  
9.4270

 226.7320, 24.4820,  
7.8580

 28.1880, 23.1980,  
9.1020

 246.3600, 7.7940,  
1.9220

 10.7640, 21.4560,  
7.6320

 0.0000, 0.0000,  
0.0000

■ 123.1350, 30.7170,  
10.5010

■ 123.1350, 30.7170,  
10.5010

■ 111.9190, 40.2530,  
13.8930

■ 134.3510, 21.1810,  
7.1090

■ 101.2900, 49.5140,  
16.7620

■ 144.9800, 11.9200,  
4.2400

■ 90.0740, 59.0500,  
20.1540

■ 156.1960, 2.3840,  
0.8480

■ 79.4450, 68.3110,  
23.0230

■ 166.8250, -6.8770,  
-2.0210

■ 68.3430, 77.5260,  
26.7260

■ 178.0410,  
-16.4130, -5.4130

■ 57.1270, 87.0620,  
30.1180


■ 189.1430,  
-25.6280, -9.1160

■ 49.3020, 93.9390,  
32.1390

■ 199.7720,  
-34.8890, -11.9850

■ 210.9880,

-44.4250, -15.3770

 221.6170,  
-53.6860, -18.2460

# Harmonies

## Analogous

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



124.1050, 22.2340, 15.5620



123.1350, 30.7170, 10.5010



121.9790, 30.8560, 2.4720

# Triad

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



123.1350, 30.7170, 10.5010



116.1970, -8.5250, -16.2130



118.0090, -30.5820, 3.5780

# Complementary

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



123.1350, 30.7170, 10.5010



142.8650, -30.7170, -10.5010

# 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.



113.5680, -42.8220, -5.8780



123.1350, 30.7170, 10.5010



113.1440, -27.3690, -16.1130

# Square

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



123.1350, 30.7170, 10.5010



118.7600, 8.9430, -13.4010



111.1240, -41.8120, -13.1720



122.3320, -12.1980, 11.8180



# Rectangle

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



123.1350, 30.7170, 10.5010



120.8380, 26.6390, -3.7050



111.1240, -41.8120, -13.1720



116.6770, -35.5790, 0.5250

# Sweetspot

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



123.1350, 30.7170, 10.5010



192.2790, 12.5160, 4.4520



128.3620, 14.6210, 26.8850



95.8870, 7.7480, 2.7560



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000



# Same Dimension

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



123.1350, 30.7170, 10.5010



150.8060, 48.0010, 16.6490



138.3970, 23.5670, -3.0970



73.3920, 4.7680, 1.6960



44.5180, 84.4030, 28.7470



4.4850, 8.9400, 3.1800



# Inverse Universe

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



142.8650, -30.7170, -10.5010



181.6070, -47.7260, -16.1260



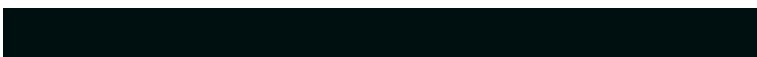
127.6030, -23.5670, 3.0970



76.6080, -4.7680, -1.6960



98.4820, -84.4030, -28.7470

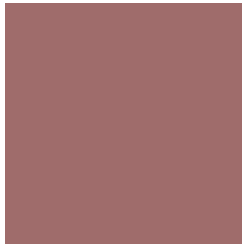


10.5150, -8.9400, -3.1800



# Previews

## White Background



This preview shows how the YIQ color 123.1350, 30.7170, 10.5010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

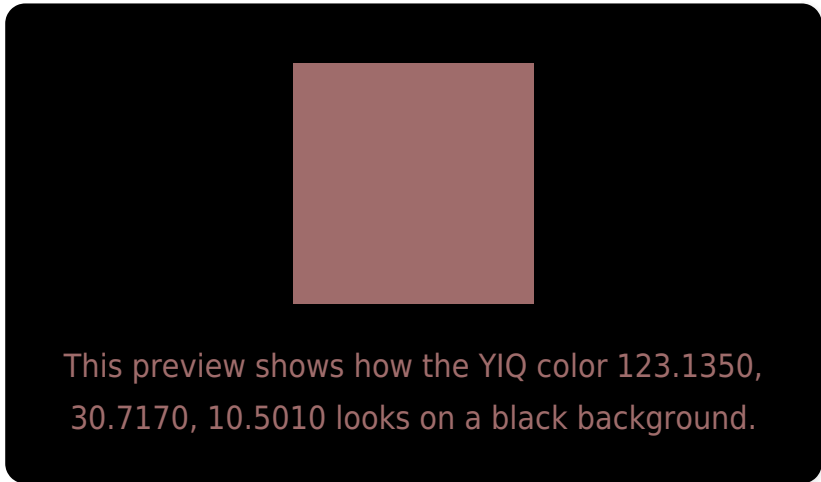
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

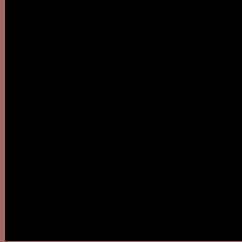
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 123.1350, 30.7170, 10.5010

## Background



This preview shows how black text looks on a background with the YIQ color 123.1350, 30.7170, 10.5010.



This preview shows how white text looks on a background with the YIQ color 123.1350, 30.7170,



# 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

123.1350, 30.7170, 10.5010

### Protanopia

121.3980, 4.6310, -1.3290

### Deuteranopia

122.2100, 16.9640, 0.9320



## Tritanopia

123.7590, 29.0200, 13.7240

# Trichromacy



## Original Color

123.1350, 30.7170, 10.5010

## Protanomaly

121.7090, 14.1210, 2.8970

## Deuteranomaly

122.6560, 21.6400, 4.2960

## Tritanomaly

123.4170, 29.9830, 12.7910

# Monochromacy



## Original Color

123.1350, 30.7170, 10.5010

## Achromatopsia

123.0000, -0.0000, -0.0000

## Achromatomaly

123.2680, 11.0490, 3.5050

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 123.1350, 30.7170, 10.5010 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(159, 108, 107)` looks like.

```
.text, #text, p{  
    color:rgb(159, 108, 107)  
}
```

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(159, 108, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 108, 107) }
```

## Border

The CSS property to change the border of an element to YIQ 123.1350, 30.7170, 10.5010 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(159, 108, 107) }
```



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

```
.border{ border-color:rgb(159, 108, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 108, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 108, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 108, 107);  
box-shadow:4px 4px 4px 4px rgb(159, 108,  
107) }
```

# Background

The CSS property to change the background color of an element to YIQ 123.1350, 30.7170, 10.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 108, 107) }
```

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

```
.background{ background-color: rgb(159,  
108, 107) }
```

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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