

# Converting Colors

YIQ(98.1430, 0.7350, -7.8170)

Have a look what the booklet for  
YIQ(98.1430, 0.7350, -7.8170)  
contains.

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# Color

**YIQ(98.1430, 0.7350,  
-7.8170)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5E6754
RGB	94, 103, 84
RGB Percent	37%, 40%, 33%
CMY	0.6314, 0.5961, 0.6706
CMYK	0.09, 0.00, 0.18, 0.60
HSL	88°, 10%, 37%
HSV	88°, 18%, 40%
XYZ	11.0663, 12.7206, 10.2605
YIQ	98.1430, 0.7350, -7.8170

# Conversions

## Conversions Part 2

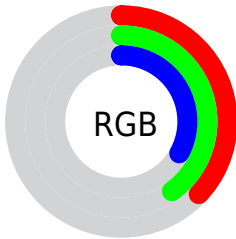
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 103, 93
Decimal	6186836
CIE Lab	42.34, -7.31, 9.57
CIE LCh	42, 12.046, 127.374
Yxy	12.7206, 0.3250, 0.3736
Android (android.graphics.Color)	4284376916 (0xFF5E6754)
YUV	98.1430, -6.9725, -3.6334
Hunter-Lab	35.6660, -7.0315, 7.9095

# Details

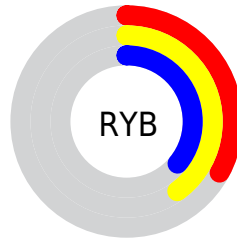
The YIQ color **98.1430, 0.7350, -7.8170** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **88.8570, -0.7350, 7.8170**, and the grayscale version is **98.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **148.7300, 0.4600, -8.3400**, and **51.6700, 0.6890, -6.9830** is the 20% darker color. If you saturate the color by 10%, you get **95.5080, 0.9650, -11.9870**, and if you desaturate by 10%, it is **100.7780, 0.5050, -3.6470**.

# Distribution



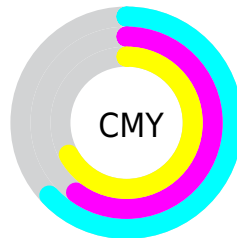
- Red (37%)
- Green (40%)
- Blue (33%)



- Red (33%)
- Yellow (40%)
- Blue (36%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)
- Black (60%)



- Cyan (63%)
- Magenta (60%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 98.1430, 0.7350, -7.8170 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 98.1430, 0.7350, -7.8170 by changing the saturation by 10% instead.



■ 98.1430, 0.7350,  
-7.8170

■ 98.1430, 0.7350,  
-7.8170

■ 255.0000, -0.0000,  
-0.0000

■ 74.2570, 0.4140,  
-7.5060

■ 148.7300, 0.4600,  
-8.3400

■ 51.6700, 0.6890,  
-6.9830

■ 175.6160, 0.7810,  
-8.6510

■ 30.7840, 0.3680,  
-6.6720

■ 202.6160, 0.7810,  
-8.6510

■ 7.6310, -3.5750,  
-6.7990

■ 231.0890, 0.8270,  
-9.4850

■ 0.0000, 0.0000,  
0.0000

■ 253.6320, 3.8520,  
-3.7320

■ 98.1430, 0.7350,  
-7.8170

■ 98.1430, 0.7350,  
-7.8170

■ 95.5080, 0.9650,  
-11.9870

■ 100.7780, 0.5050,  
-3.6470

■ 92.7590, 1.5160,  
-16.4680

■ 103.5270, -0.0460,  
0.8340

■ 90.1240, 1.7460,  
-20.6380

■ 106.1620, -0.2760,  
5.0040

■ 87.4890, 1.9760,  
-24.8080

■ 108.7970, -0.5060,  
9.1740

■ 85.1530, 2.8020,  
-28.7660

■ 111.2470, -1.6530,  
13.4430

■ 82.4040, 3.3530,  
-33.2470

■ 113.8820, -1.8830,  
17.6130

■ 79.7690, 3.5830,  
-37.4170

■ 116.5170, -2.1130,  
21.7830

■ 77.1340, 3.8130,

■ 119.1520, -2.3430,

-41.5870

25.9530

■ 76.6070, 3.8590,  
-42.4210

■ 121.9010, -2.8940,  
30.4340

# Harmonies

## Analogous

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



99.2150, 9.4000, -5.1600



98.1430, 0.7350, -7.8170



96.9400, -8.9390, -8.7070

# Triad

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



98.1430, 0.7350, -7.8170



97.8330, -18.5230, -0.2110



101.6430, 14.4870, 7.2790

# Complementary

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



98.1430, 0.7350, -7.8170



88.8570, -0.7350, 7.8170

# 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.



101.8750, 8.0220, 8.8060



98.1430, 0.7350, -7.8170



99.7740, -10.8670, 4.2130

# Square

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



98.1430, 0.7350, -7.8170



96.5290, -20.7230, -4.3950



101.5580, -1.3310, 7.6050



101.0900, 17.4220, 3.6460



# Rectangle

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



98.1430, 0.7350, -7.8170



96.5310, -15.0370, -8.3250



101.5580, -1.3310, 7.6050



101.6860, 12.9280, 8.0000

# Sweetspot

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



98.1430, 0.7350, -7.8170



132.8920, 0.1840, -3.3360



94.9640, 8.8490, -0.6790



67.8320, 0.4130, -1.9790



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



98.1430, 0.7350, -7.8170



127.3940, 1.2860, -12.2980



95.4520, -4.6290, -9.7250



49.8320, 0.4130, -1.9790



85.4450, 4.1350, -47.4250



180.0270, 9.1420, -99.6420



# Inverse Universe

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



88.8570, -0.7350, 7.8170



112.9050, -0.6900, 12.5100



91.5480, 4.6290, 9.7250



47.1680, -0.4130, 1.9790



29.2560, -4.7310, 47.2130



61.9730, -9.1420, 99.6420



# Previews

## White Background



This preview shows how the YIQ color 98.1430, 0.7350, -7.8170 looks on a white 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



# Black Background



This preview shows how the YIQ color 98.1430, 0.7350, -7.8170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

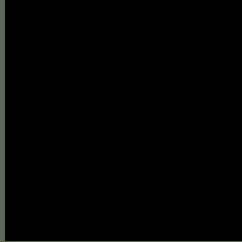
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 98.1430, 0.7350, -7.8170**

## **Background**



This preview shows how black text looks on a background with the YIQ color 98.1430, 0.7350, -7.8170.



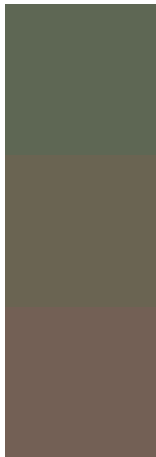
This preview shows how white text looks on a background with the YIQ color 98.1430, 0.7350,

-7.8170.

# 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

98.1430, 0.7350, -7.8170

### Protanopia

99.7420, 9.3540, -4.3260

### Deuteranopia

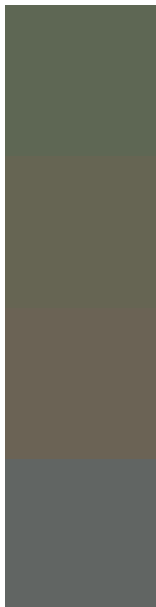
100.4270, 14.8550, 0.6070



## Tritanopia

100.3140, -3.7600, 2.0640

# Trichromacy



## Original Color

98.1430, 0.7350, -7.8170

## Protanomaly

99.2470, 6.3740, -5.3860

## Deuteranomaly

99.7960, 9.2620, -2.6580

## Tritanomaly

99.5760, -1.7420, -1.4700

# Monochromacy



## Original Color

98.1430, 0.7350, -7.8170

## Achromatopsia

98.0000, -0.0000, -0.0000

## Achromatomaly

98.3050, 0.4590, -2.8130

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 98.1430, 0.7350, -7.8170 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(94, 103, 84)` looks like.

```
.text, #text, p{  
    color:rgb(94, 103, 84)  
}
```

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(94, 103, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 84) }
```

## Border

The CSS property to change the border of an element to YIQ 98.1430, 0.7350, -7.8170 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(94, 103, 84) }
```



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

```
.border{ border-color:rgb(94, 103, 84) }
```

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

Here you see how a box with a 4 pixel rgb(94, 103, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 84);  
box-shadow:4px 4px 4px 4px rgb(94, 103,  
84) }
```

# Background

The CSS property to change the background color of an element to YIQ 98.1430, 0.7350, -7.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 84) }
```

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

```
.background{ background-color: rgb(94, 103,  
84) }
```

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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