

# Converting Colors

YIQ(99.8880, 77.0690, 18.4850)

Have a look what the booklet for  
YIQ(99.8880, 77.0690, 18.4850)  
contains.

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# Color

**YIQ(99.8880, 77.0690,  
18.4850)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B9432E
RGB	185, 67, 46
RGB Percent	73%, 26%, 18%
CMY	0.2742, 0.7374, 0.8193
CMYK	0.00, 0.64, 0.75, 0.27
HSL	9°, 60%, 45%
HSV	9°, 75%, 73%
XYZ	22.5230, 14.5291, 4.2106
YIQ	99.8880, 77.0690, 18.4850

# Conversions

## Conversions Part 2

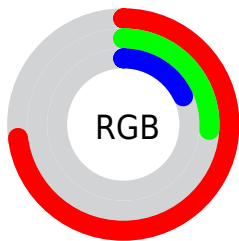
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 71, 46
Decimal	12141358
CIELab	44.98, 46.55, 37.51
CIELCh	45, 59.785, 38.859
Yxy	14.5291, 0.5458, 0.3521
Android (android.graphics.Color)	4290331438 (0xFFB9432E)
YUV	99.8880, -26.5668, 74.6432
Hunter-Lab	38.1170, 38.7692, 20.1325

# Details

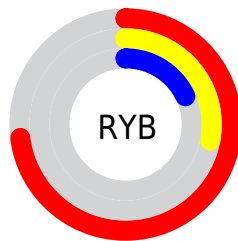
The YIQ color **99.8880, 77.0690, 18.4850** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **131.1120, -77.0690, -18.4850**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **154.8950, 84.3590, 18.5270**, and **39.1360, 73.6750, 24.9310** is the 20% darker color. If you saturate the color by 10%, you get **88.4440, 87.2470, 21.2550**, and if you desaturate by 10%, it is **111.4460, 66.5700, 16.0260**.

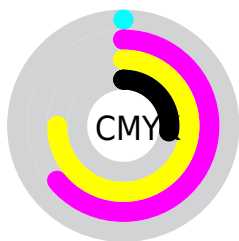
# Distribution



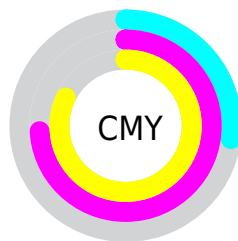
- Red (73%)
- Green (26%)
- Blue (18%)



- Red (73%)
- Yellow (28%)
- Blue (18%)



- Cyan (0%)
- Magenta (64%)
- Yellow (75%)
- Black (27%)




- Cyan (27%)
- Magenta (74%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.8880, 77.0690, 18.4850 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 99.8880, 77.0690, 18.4850 by changing the saturation by 10% instead.





 99.8880, 77.0690,  
18.4850


 99.8880, 77.0690,  
18.4850


255.0000, -0.0000,  
-0.0000


 72.5610, 73.6760,  
19.4040


 154.8950, 84.3590,  
18.5270


 39.1360, 73.6750,  
24.9310


 175.9860, 73.6770,  
13.8770


 28.4050, 56.6200,  
20.1400

 195.3860, 57.6310,  
7.3190

 19.7340, 39.3360,  
13.9920

 214.9000, 41.2640,  
1.0720

 11.4760, 22.3270,  
8.3670

 235.0010, 24.6220,  
-5.6980

 0.0000, 0.0000,  
0.0000

 251.6940, 9.3090,

-9.0190

■ 99.8880, 77.0690,  
18.4850

■ 99.8880, 77.0690,  
18.4850

■ 88.4440, 87.2470,  
21.2550

■ 111.4460, 66.5700,  
16.0260

■ 77.4730, 97.4710,  
23.1910

■ 122.3030, 56.6670,  
13.7790

■ 71.7510, 102.5600,  
24.5760

■ 133.8610, 46.1680,  
11.3200

■ 145.3050, 35.9900,  
8.5500

■ 156.8630, 25.4910,  
6.0910

■ 167.7200, 15.5880,  
3.8440

■ 179.2780, 5.0890,  
1.3850

■ 190.7220, -5.0890,  
-1.3850

■ 202.2800,  
-15.5880, -3.8440

# Harmonies

## Analogous

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



98.0720, 71.7000, 44.2120



99.8880, 77.0690, 18.4850



100.3600, 68.5470, -14.3090

# Triad

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



99.8880, 77.0690, 18.4850



81.7140, -56.4780, -44.7500



86.8800, -95.8260, 7.5820

# Complementary

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



99.8880, 77.0690, 18.4850



131.1120, -77.0690, -18.4850

# 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.



93.8270, -97.4750, -1.0830



99.8880, 77.0690, 18.4850



89.4030, -73.9950, -30.1470

# Square

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



99.8880, 77.0690, 18.4850



89.8620, -1.4130, -45.9970



94.2880, -89.1280, -14.6960



109.2460, -7.9390, 39.2690



# Rectangle

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



99.8880, 77.0690, 18.4850



99.9180, 48.8800, -26.8320



94.2880, -89.1280, -14.6960



89.9290, -97.5220, 5.2780

# Sweetspot

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



99.8880, 77.0690, 18.4850



206.1410, 30.5800, 7.4760



101.0130, 44.9660, 66.1660



99.1010, 18.8890, 4.5930



247.0000, -0.0000, -0.0000



120.0000, -0.0000, -0.0000



# Same Dimension

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



99.8880, 77.0690, 18.4850



107.3680, 119.9360, 29.0560



140.3910, 58.0940, -17.6020



86.2780, 5.0890, 1.3850



60.1450, 86.6510, 21.0430



10.7200, 15.5880, 3.8440



# Inverse Universe

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



131.1120, -77.0690, -18.4850



156.0450, -119.6610, -28.5330



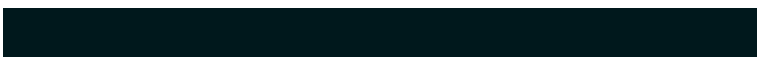
90.6090, -58.0940, 17.6020



88.1350, -4.8140, -0.8620



95.2680, -86.3760, -20.5200

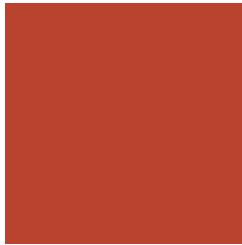


17.2800, -15.5880, -3.8440



# Previews

## White Background



This preview shows how the YIQ color 99.8880, 77.0690, 18.4850 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

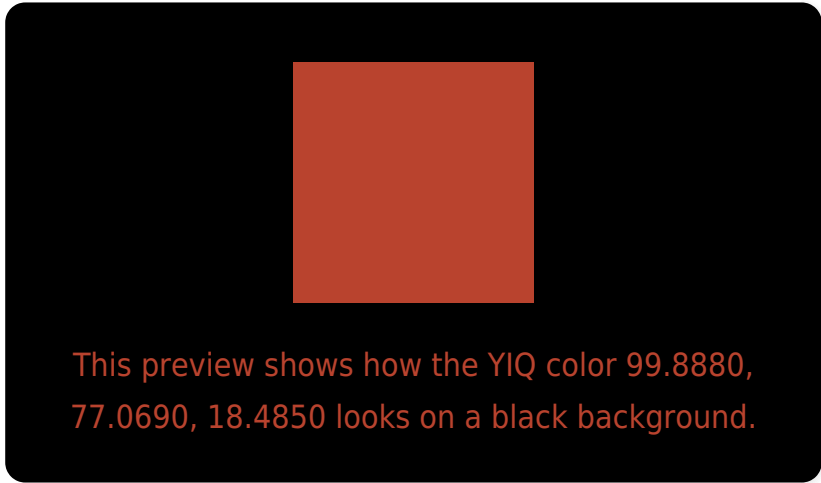
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 99.8880, 77.0690, 18.4850**

## **Background**



This preview shows how black text looks on a background with the YIQ color 99.8880, 77.0690, 18.4850.



This preview shows how white text looks on a background with the YIQ color 99.8880, 77.0690,



# 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

99.8880, 77.0690, 18.4850

### Protanopia

104.8170, 21.9640, -12.5960

### Deuteranopia

104.2720, 39.6160, -13.1200



## Tritanopia

100.9340, 71.4280, 27.1080

# Trichromacy



## Original Color

99.8880, 77.0690, 18.4850

## Protanomaly

102.6180, 41.9980, -1.2180

## Deuteranomaly

102.6640, 53.5520, -1.3600

## Tritanomaly

100.6090, 73.7210, 24.0970

# Monochromacy



## Original Color

99.8880, 77.0690, 18.4850

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

99.9450, 28.1960, 6.6280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.8880, 77.0690, 18.4850 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(185, 67, 46)` looks like.

```
.text, #text, p{  
    color:rgb(185, 67, 46)  
}
```

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(185, 67, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 67, 46) }
```

## Border

The CSS property to change the border of an element to YIQ 99.8880, 77.0690, 18.4850 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(185, 67, 46) }
```



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

```
.border{ border-color:rgb(185, 67, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 67, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 67, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 67, 46);  
box-shadow:4px 4px 4px 4px rgb(185, 67,  
46) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.8880, 77.0690, 18.4850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 67, 46) }
```

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

```
.background{ background-color: rgb(185, 67,  
46) }
```

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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