

# Converting Colors

YIQ(73.5460, 51.6690, 16.2530)

Have a look what the booklet for  
YIQ(73.5460, 51.6690, 16.2530)  
contains.

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# Color

**YIQ(73.5460, 51.6690,  
16.2530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85312C
RGB	133, 49, 44
RGB Percent	52%, 19%, 17%
CMY	0.4782, 0.8080, 0.8272
CMYK	0.00, 0.63, 0.67, 0.48
HSL	3°, 50%, 35%
HSV	3°, 67%, 52%
XYZ	11.2333, 7.3666, 3.2180
YIQ	73.5460, 51.6690, 16.2530

# Conversions

## Conversions Part 2

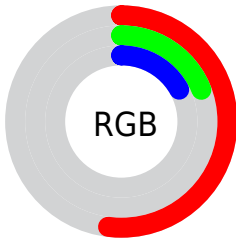
Format	Color
<a href="#">RYB</a>	<a href="#">133, 49, 44</a>
Decimal	<a href="#">8728876</a>
CIELab	<a href="#">32.63, 35.77, 22.00</a>
CIElCh	<a href="#">33, 41.998, 31.597</a>
Yxy	<a href="#">7.3666, 0.5149, 0.3376</a>
Android (android.graphics.Color)	<a href="#">4286918956 (0xFF85312C)</a>
YUV	<a href="#">73.5460, -14.5662, 52.1412</a>
Hunter-Lab	<a href="#">27.1414, 26.3800, 11.9694</a>

# Details

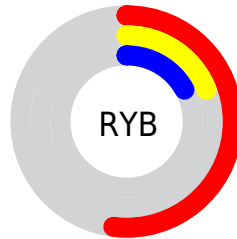
The YIQ color **73.5460, 51.6690, 16.2530** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **103.4540, -51.6690, -16.2530**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **125.4820, 57.7210, 16.7050**, and **23.3220, 46.4880, 16.5360** is the 20% darker color. If you saturate the color by 10%, you get **64.4330, 59.4170, 19.0090**, and if you desaturate by 10%, it is **82.6590, 43.9210, 13.4970**.

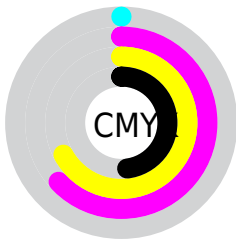
# Distribution



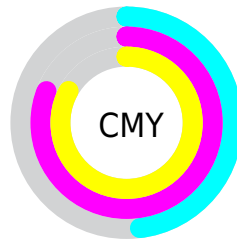
- Red (52%)
- Green (19%)
- Blue (17%)



- Red (52%)
- Yellow (19%)
- Blue (17%)



- Cyan (0%)
- Magenta (63%)
- Yellow (67%)
- Black (48%)



- Cyan (48%)
- Magenta (81%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 73.5460, 51.6690, 16.2530 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 73.5460, 51.6690, 16.2530 by changing the saturation by 10% instead.



■ 73.5460, 51.6690,  
16.2530

■ 73.5460, 51.6690,  
16.2530

255.0000, -0.0000,  
-0.0000

■ 47.5180, 48.8720,  
17.3840

■ 125.4820, 57.7210,  
16.7050

■ 23.3220, 46.4880,  
16.5360

■ 152.1510, 60.1510,  
16.7190

■ 15.5480, 30.9920,  
11.0240

■ 179.9340, 62.2600,  
17.0440

■ 2.9900, 5.9600,  
2.1200

■ 200.2420, 49.4690,  
12.0690

■ 0.0000, 0.0000,  
0.0000

■ 219.7560, 33.1020,  
5.8220

■ 239.3840, 16.4140,

-0.1140

254.4300, 1.6050,  
-1.5550

73.5460, 51.6690,  
16.2530

73.5460, 51.6690,  
16.2530

64.4330, 59.4170,  
19.0090

82.6590, 43.9210,  
13.4970

55.7930, 67.2110,  
20.9310

91.2990, 36.1270,  
11.5750

46.6800, 74.9590,  
23.6870

100.4120, 28.3790,  
8.8190

43.8760, 77.3430,  
24.5350

108.9380, 20.9060,  
6.5860

118.1650, 12.8370,  
4.1410

■ 126.6910, 5.3640,  
1.9080

■ 135.8040, -2.3840,  
-0.8480

■ 144.9170,  
-10.1320, -3.6040

■ 153.5570,  
-17.9260, -5.5260

# Harmonies

## Analogous

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



74.2700, 44.2390, 29.7670



73.5460, 51.6690, 16.2530



73.6740, 47.5920, -3.4800

# Triad

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



73.5460, 51.6690, 16.2530



57.7320, -38.5530, -33.6970



63.2620, -67.9030, 2.6330

# Complementary

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



73.5460, 51.6690, 16.2530



103.4540, -51.6690, -16.2530

# 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.



67.0460, -67.5350, -4.0390



73.5460, 51.6690, 16.2530



62.8960, -50.3380, -23.8580

# Square

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



73.5460, 51.6690, 16.2530



68.6050, 7.3410, -28.4270



66.6580, -60.9310, -13.5950



77.8130, -14.6300, 22.8580



# Rectangle

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



73.5460, 51.6690, 16.2530



72.4630, 40.3960, -16.2440



66.6580, -60.9310, -13.5950



64.9090, -68.4070, 0.7530

# Sweetspot

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



73.5460, 51.6690, 16.2530



150.3400, 19.7140, 6.1620



80.3010, 25.7590, 45.3030



72.8660, 12.2410, 3.9290



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



73.5460, 51.6690, 16.2530



80.3710, 80.3230, 25.5950



99.3740, 39.5690, -6.7590



61.7940, 3.5760, 1.2720



42.9790, 75.5550, 23.8990



0.8970, 1.7880, 0.6360



# Inverse Universe

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



103.4540, -51.6690, -16.2530



127.6290, -80.3230, -25.5950



77.6260, -39.5690, 6.7590



64.2060, -3.5760, -1.2720



87.0210, -75.5550, -23.8990



1.5160, -1.5130, -0.1130



# Previews

## White Background



This preview shows how the YIQ color 73.5460, 51.6690, 16.2530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

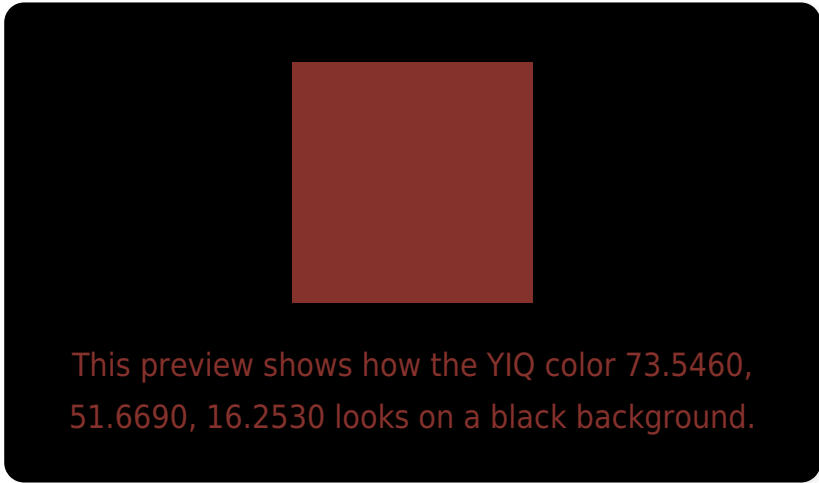
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

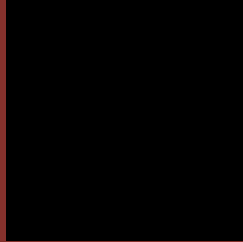
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 73.5460, 51.6690, 16.2530

## Background



This preview shows how black text looks on a background with the YIQ color 73.5460, 51.6690, 16.2530.



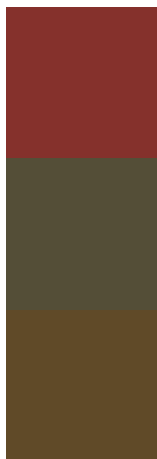
This preview shows how white text looks on a background with the YIQ color 73.5460, 51.6690,



# 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

73.5460, 51.6690, 16.2530

### Protanopia

77.1720, 10.9590, -5.8810

### Deuteranopia

76.7020, 24.0260, -5.9100



## Tritanopia

73.7570, 49.6970, 18.9530

# Trichromacy



## Original Color

73.5460, 51.6690, 16.2530

## Protanomaly

75.6410, 25.9960, 2.4440

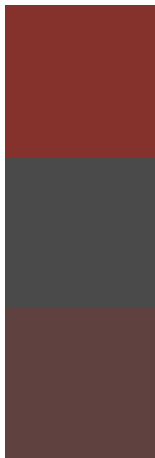
## Deuteranomaly

75.4200, 33.9280, 1.8640

## Tritanomaly

73.4150, 50.6600, 18.0200

# Monochromacy



## Original Color

73.5460, 51.6690, 16.2530

## Achromatopsia

74.0000, -0.0000, 0.0000

## Achromatomaly

73.7420, 18.5220, 5.7380

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 73.5460, 51.6690, 16.2530 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(133, 49, 44)` looks like.

```
.text, #text, p{  
    color:rgb(133, 49, 44)  
}
```

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(133, 49, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 49, 44) }
```

## Border

The CSS property to change the border of an element to YIQ 73.5460, 51.6690, 16.2530 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(133, 49, 44) }
```



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

```
.border{ border-color:rgb(133, 49, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 49, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 49, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 49, 44);  
box-shadow:4px 4px 4px 4px rgb(133, 49,  
44) }
```

# Background

The CSS property to change the background color of an element to YIQ 73.5460, 51.6690, 16.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 49, 44) }
```

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

```
.background{ background-color: rgb(133, 49,  
44) }
```

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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