

# Converting Colors

YIQ(132.9870, 45.5730, 5.5810)

Have a look what the booklet for  
YIQ(132.9870, 45.5730, 5.5810)  
contains.

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# Color

**YIQ(132.9870, 45.5730,  
5.5810)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4755C
RGB	180, 117, 92
RGB Percent	71%, 46%, 36%
CMY	0.2940, 0.5413, 0.6390
CMYK	0.00, 0.35, 0.49, 0.29
HSL	17°, 37%, 53%
HSV	17°, 49%, 71%
XYZ	27.1226, 23.1974, 13.1850
YIQ	132.9870, 45.5730, 5.5810

# Conversions

## Conversions Part 2

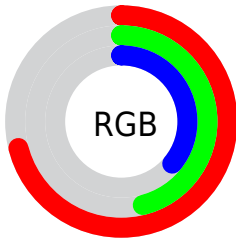
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 127, 92
Decimal	11826524
CIELab	55.28, 21.96, 23.94
CIELCh	55, 32.487, 47.471
Yxy	23.1974, 0.4271, 0.3653
Android (android.graphics.Color)	4290016604 (0xFFB4755C)
YUV	132.9870, -20.2066, 41.2304
Hunter-Lab	48.1637, 16.2328, 17.4838

# Details

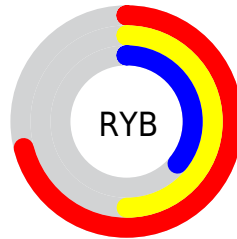
The YIQ color **132.9870, 45.5730, 5.5810** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **139.0130, -45.5730, -5.5810**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **186.5530, 49.7910, 6.2310**, and **82.2360, 40.4380, 5.0300** is the 20% darker color. If you saturate the color by 10%, you get **123.3040, 54.9260, 6.7820**, and if you desaturate by 10%, it is **142.6700, 36.2200, 4.3800**.

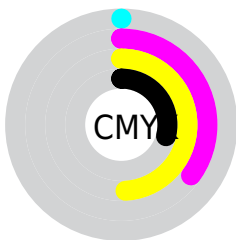
# Distribution



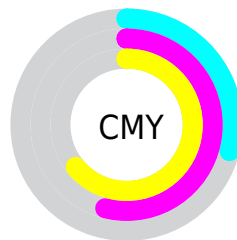
- Red (71%)
- Green (46%)
- Blue (36%)



- Red (71%)
- Yellow (50%)
- Blue (36%)



- Cyan (0%)
- Magenta (35%)
- Yellow (49%)
- Black (29%)




- Cyan (29%)
- Magenta (54%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 132.9870, 45.5730, 5.5810 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 132.9870, 45.5730, 5.5810 by changing the saturation by 10% instead.





 132.9870, 45.5730,  
5.5810


 132.9870, 45.5730,  
5.5810


255.0000, -0.0000,  
-0.0000


 107.2040, 43.4640,  
5.2560


 186.6670, 49.4700,  
6.5420


 82.2360, 40.4380,  
5.0300


 211.1500, 43.5560,  
3.5880

 58.1540, 37.7330,  
4.4930


 230.6640, 27.1890,  
-2.6590

 35.0290, 36.5870,  
3.2350

 250.8790, 10.2260,  
-9.1180

 13.7540, 27.4160,  
9.7520

254.7720, 0.6420,  
-0.6220

 1.1960, 2.3840,  
0.8480

 0.0000, 0.0000,

0.0000

132.9870, 45.5730,  
5.5810

132.9870, 45.5730,  
5.5810

123.3040, 54.9260,  
6.7820

142.6700, 36.2200,  
4.3800

113.6210, 64.2790,  
7.9830

152.3530, 26.8670,  
3.1790

103.9380, 73.6320,  
9.1840

162.0360, 17.5140,  
1.9780

94.2550, 82.9850,  
10.3850

171.7190, 8.1610,  
0.7770

84.5720, 92.3380,  
11.5860

180.8150, -0.9170,  
0.0990

83.7570, 93.2550,  
11.4870

190.4980,  
-10.2700, -1.1020

■ 200.1810,  
-19.6230, -2.3030

■ 209.8640,  
-28.9760, -3.5040

■ 219.5470,  
-38.3290, -4.7050

# Harmonies

## Analogous

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



134.4080, 43.3700, 17.9780



132.9870, 45.5730, 5.5810



131.4660, 36.3140, -8.3420

# Triad

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



132.9870, 45.5730, 5.5810



119.2900, -39.8840, -26.0920



132.2090, -24.8530, 15.3950

# Complementary

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



132.9870, 45.5730, 5.5810



139.0130, -45.5730, -5.5810

# 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.



123.5420, -57.1280, 0.0880



132.9870, 45.5730, 5.5810



107.3470, -79.5890, -27.8850

# Square

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



132.9870, 45.5730, 5.5810



125.0410, -8.3860, -24.2420



105.4350, -94.2160, -21.6080



135.9910, 5.3600, 24.0160



# Rectangle

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



132.9870, 45.5730, 5.5810



129.7910, 24.8530, -15.3950



105.4350, -94.2160, -21.6080



130.3000, -35.5350, 10.7450

# Sweetspot

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



132.9870, 45.5730, 5.5810



215.6340, 18.7060, 2.4020



125.7220, 31.5830, 38.8710



105.8010, 10.8660, 1.3140



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000



# Same Dimension

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



132.9870, 45.5730, 5.5810



160.4540, 72.1190, 9.0710



158.2280, 33.7480, -16.9080



84.4520, 4.5390, 0.3390



70.9880, 79.3630, 9.9470



11.8830, 13.5710, 1.8510



# Inverse Universe

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



139.0130, -45.5730, -5.5810



169.9590, -71.8440, -8.5480



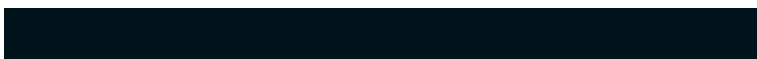
114.3590, -34.0230, 16.3850



85.1350, -4.8140, -0.8620



82.0120, -79.3630, -9.9470



13.5300, -13.2960, -1.3280



# Previews

## White Background



This preview shows how the YIQ color 132.9870, 45.5730, 5.5810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

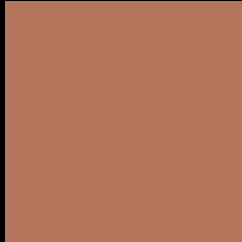
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 132.9870, 45.5730, 5.5810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

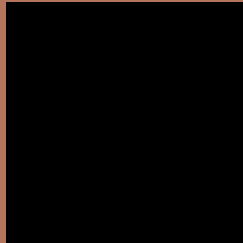
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 132.9870, 45.5730, 5.5810

## Background



This preview shows how black text looks on a background with the YIQ color 132.9870, 45.5730, 5.5810.



This preview shows how white text looks on a background with the YIQ color 132.9870, 45.5730,



# 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

132.9870, 45.5730, 5.5810

### Protanopia

131.8150, 16.2780, -8.6660

### Deuteranopia

132.3500, 30.9490, -4.7230



## Tritanopia

134.5430, 38.5560, 17.1160

# Trichromacy



## Original Color

132.9870, 45.5730, 5.5810

## Protanomaly

132.1370, 27.2350, -3.4930

## Deuteranomaly

132.5080, 36.4960, -0.6240

## Tritanomaly

133.5770, 41.2160, 12.9600

# Monochromacy



## Original Color

132.9870, 45.5730, 5.5810

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

132.8510, 16.5970, 2.0770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 132.9870, 45.5730, 5.5810 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(180, 117, 92)` looks like.

```
.text, #text, p{  
    color:rgb(180, 117, 92)  
}
```

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(180, 117, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 117, 92) }
```

## Border

The CSS property to change the border of an element to YIQ 132.9870, 45.5730, 5.5810 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(180, 117, 92) }
```



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

```
.border{ border-color:rgb(180, 117, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 117, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 117, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 117, 92);  
box-shadow:4px 4px 4px 4px rgb(180, 117,  
92) }
```

# Background

The CSS property to change the background color of an element to YIQ 132.9870, 45.5730, 5.5810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 117, 92) }
```

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

```
.background{ background-color: rgb(180,  
117, 92) }
```

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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