

# Converting Colors

YIQ(82.6580, 62.8570, 11.7290)

Have a look what the booklet for  
YIQ(82.6580, 62.8570, 11.7290)  
contains.

<b>YIQ(82.6580, 62.8570, 11.7290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(82.6580, 62.8570,  
11.7290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	963A21
RGB	150, 58, 33
RGB Percent	59%, 23%, 13%
CMY	0.4116, 0.7727, 0.8703
CMYK	0.00, 0.61, 0.78, 0.41
HSL	13°, 64%, 36%
HSV	13°, 78%, 59%
XYZ	14.3738, 9.6213, 2.5434
YIQ	82.6580, 62.8570, 11.7290

# Conversions

## Conversions Part 2

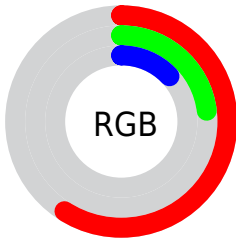
Format	Color
R <sub>Y</sub> B	150, 65, 33
Decimal	9845281
CIE Lab	37.15, 37.28, 34.47
CIE LCh	37, 50.773, 42.763
Yxy	9.6213, 0.5416, 0.3625
Android (android.graphics.Color)	4288035361 (0xFF963A21)
YUV	82.6580, -24.4814, 59.0589
Hunter-Lab	31.0183, 28.4344, 16.8512

# Details

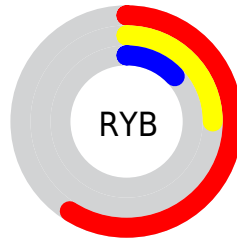
The YIQ color **82.6580, 62.8570, 11.7290** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **100.3420, -62.8570, -11.7290**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.7790, 69.8260, 12.0820**, and **28.6820, 54.2820, 18.4580** is the 20% darker color. If you saturate the color by 10%, you get **73.9040, 70.9720, 13.3400**, and if you desaturate by 10%, it is **91.4120, 54.7420, 10.1180**.

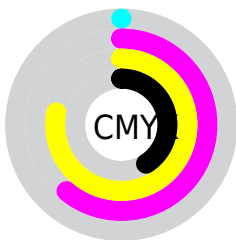
# Distribution



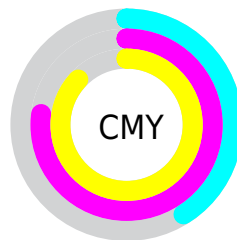
- Red (59%)
- Green (23%)
- Blue (13%)



- Red (59%)
- Yellow (25%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (41%)



- Cyan (41%)
- Magenta (77%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 82.6580, 62.8570, 11.7290 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 82.6580, 62.8570, 11.7290 by changing the saturation by 10% instead.



82.6580, 62.8570,  
11.7290

82.6580, 62.8570,  
11.7290

255.0000, -0.0000,  
-0.0000

56.8040, 59.5100,  
11.8140

135.7790, 69.8260,  
12.0820

28.9810, 54.8780,  
18.6700

162.7470, 72.8520,  
12.3080

19.1360, 38.1440,  
13.5680

186.0450, 66.0210,  
9.4530

11.4760, 22.3270,  
8.3670

204.8580, 50.2500,  
3.4180

0.0000, 0.0000,  
0.0000

224.9590, 33.6080,  
-3.3520

244.5870, 16.9200,

-9.2880

253.0620, 5.4570,  
-5.2870

82.6580, 62.8570,  
11.7290

82.6580, 62.8570,  
11.7290

73.9040, 70.9720,  
13.3400

91.4120, 54.7420,  
10.1180

65.1500, 79.0870,  
14.9510

100.1660, 46.6270,  
8.5070

63.6340, 80.6000,  
15.0640

108.3330, 38.7870,  
7.4190

117.0870, 30.6720,  
5.8080

125.8410, 22.5570,  
4.1970

■ 134.5950, 14.4420,  
2.5860

■ 143.3490, 6.3270,  
0.9750

■ 151.5160, -1.5130,  
-0.1130

■ 160.2700, -9.6280,  
-1.7240

# Harmonies

## Analogous

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



81.2890, 60.4230, 33.8230



82.6580, 62.8570, 11.7290



82.5740, 53.3250, -13.7710

# Triad

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



82.6580, 62.8570, 11.7290



68.1160, -48.5020, -35.1100



72.9230, -71.0220, 9.6020

# Complementary

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



82.6580, 62.8570, 11.7290



100.3420, -62.8570, -11.7290

# 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.



77.0370, -80.5110, -0.1510



82.6580, 62.8570, 11.7290



74.0780, -62.5340, -23.0940

# Square

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



82.6580, 62.8570, 11.7290



73.4240, -8.5670, -37.4870



77.2360, -74.1820, -10.2300



89.9770, -0.0520, 33.9960



# Rectangle

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



82.6580, 62.8570, 11.7290



81.8660, 37.4630, -23.6650



77.2360, -74.1820, -10.2300



72.7970, -79.5950, 5.2770

# Sweetspot

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



82.6580, 62.8570, 11.7290



168.3250, 24.0700, 4.3100



78.6990, 39.5580, 54.0380



81.5950, 14.4420, 2.5860



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



82.6580, 62.8570, 11.7290



88.7240, 98.0220, 18.7100



116.1170, 47.1820, -18.0820



69.6800, 3.8970, 0.9610



58.2850, 74.2730, 14.0890



4.1640, 5.4100, 1.0740



# Inverse Universe

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



100.3420, -62.8570, -11.7290



116.6890, -97.7470, -18.1870



66.8830, -47.1820, 18.0820



70.7330, -3.6220, -0.4380



79.1280, -73.9980, -13.5660



5.8360, -5.4100, -1.0740



# Previews

## White Background



This preview shows how the YIQ color 82.6580, 62.8570, 11.7290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

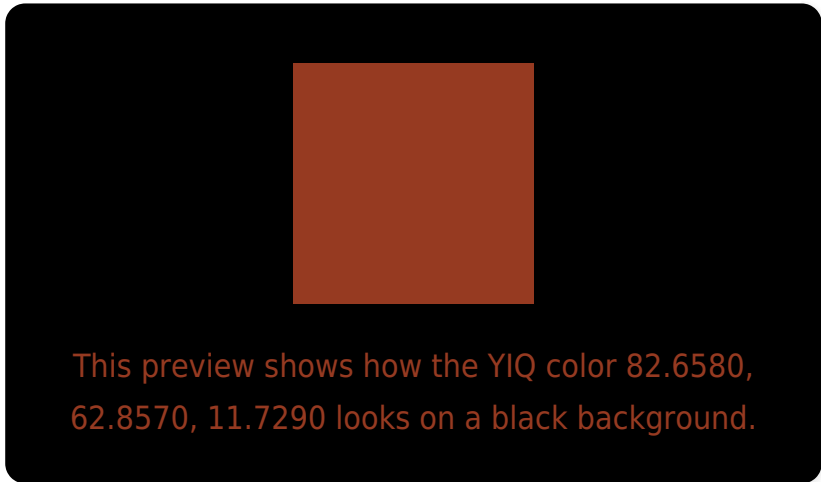
Any Text WCAG AA ✓ Pass

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

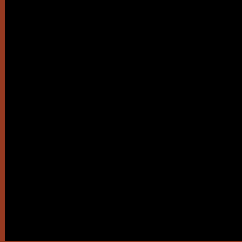
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 82.6580, 62.8570, 11.7290

## Background



This preview shows how black text looks on a background with the YIQ color 82.6580, 62.8570, 11.7290.



This preview shows how white text looks on a background with the YIQ color 82.6580, 62.8570,



# 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

82.6580, 62.8570, 11.7290

### Protanopia

85.7460, 20.7260, -12.1860

### Deuteranopia

85.4610, 34.7100, -12.3140



## Tritanopia

84.0460, 56.2530, 21.2850

# Trichromacy



## Original Color

82.6580, 62.8570, 11.7290

## Protanomaly

84.6280, 36.0380, -3.3380

## Deuteranomaly

84.7060, 44.5660, -3.7060

## Tritanomaly

83.6070, 58.8670, 17.9630

# Monochromacy



## Original Color

82.6580, 62.8570, 11.7290

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

82.8410, 22.5570, 4.1970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 82.6580, 62.8570, 11.7290 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(150, 58, 33)` looks like.

```
.text, #text, p{  
    color:rgb(150, 58, 33)  
}
```

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(150, 58, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 58, 33) }
```

## Border

The CSS property to change the border of an element to YIQ 82.6580, 62.8570, 11.7290 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(150, 58, 33) }
```



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

```
.border{ border-color:rgb(150, 58, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 58, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 58, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 58, 33);  
box-shadow:4px 4px 4px 4px rgb(150, 58,  
33) }
```

# Background

The CSS property to change the background color of an element to YIQ 82.6580, 62.8570, 11.7290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 58, 33) }
```

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

```
.background{ background-color: rgb(150, 58,  
33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor