

# Converting Colors

YIQ(86.7150, 49.5150, 11.2350)

Have a look what the booklet for  
YIQ(86.7150, 49.5150, 11.2350)  
contains.

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# Color

**YIQ(86.7150, 49.5150,  
11.2350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D4233
RGB	141, 66, 51
RGB Percent	55%, 26%, 20%
CMY	0.4469, 0.7413, 0.7998
CMYK	0.00, 0.53, 0.64, 0.45
HSL	10°, 47%, 38%
HSV	10°, 64%, 55%
XYZ	13.5369, 9.7987, 4.3160
YIQ	86.7150, 49.5150, 11.2350

# Conversions

## Conversions Part 2

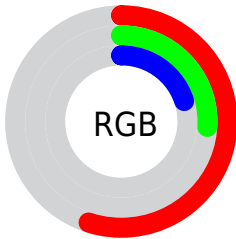
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	141, 69, 51
Decimal	9257523
CIE Lab	37.48, 30.60, 24.01
CIE LCh	37, 38.899, 38.120
Yxy	9.7987, 0.4896, 0.3544
Android (android.graphics.Color)	4287447603 (0xFF8D4233)
YUV	86.7150, -17.6075, 47.6079
Hunter-Lab	31.3029, 22.4121, 13.7373

# Details

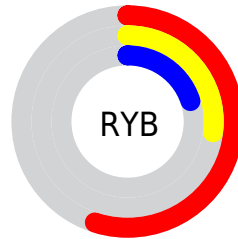
The YIQ color **86.7150, 49.5150, 11.2350** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **105.2850, -49.5150, -11.2350**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.7650, 55.2460, 11.9980**, and **36.9640, 44.3800, 10.6840** is the 20% darker color. If you saturate the color by 10%, you get **78.0750, 57.3090, 13.1570**, and if you desaturate by 10%, it is **95.3550, 41.7210, 9.3130**.

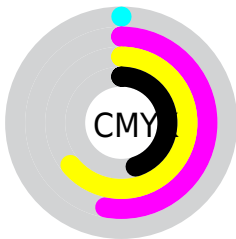
# Distribution



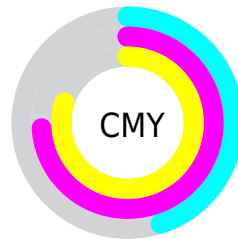
- Red (55%)
- Green (26%)
- Blue (20%)



- Red (55%)
- Yellow (27%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (64%)
- Black (45%)



- Cyan (45%)
- Magenta (74%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 86.7150, 49.5150, 11.2350 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 86.7150, 49.5150, 11.2350 by changing the saturation by 10% instead.



86.7150, 49.5150,  
11.2350

86.7150, 49.5150,  
11.2350

255.0000, -0.0000,  
-0.0000

61.8610, 46.1680,  
11.3200

138.7650, 55.2460,  
11.9980

36.9640, 44.3800,  
10.6840

165.5480, 57.3550,  
12.3230

17.6410, 35.1640,  
12.5080

192.4340, 57.6760,  
12.0120

10.2800, 19.9430,  
7.5190

211.2470, 41.9050,  
5.9770

0.0000, 0.0000,  
0.0000

231.4620, 24.9420,  
-0.4820

251.6770, 7.9790,

-6.9410

■ 86.7150, 49.5150,  
11.2350

■ 86.7150, 49.5150,  
11.2350

■ 78.0750, 57.3090,  
13.1570

■ 95.3550, 41.7210,  
9.3130

■ 69.4350, 65.1030,  
15.0790

■ 103.9950, 33.9270,  
7.3910

■ 61.3820, 72.6220,  
16.4780

■ 112.0480, 26.4080,  
5.9920

■ 55.6600, 77.7110,  
17.8630

■ 120.6880, 18.6140,  
4.0700

■ 129.4420, 10.4990,  
2.4590

■ 138.0820, 2.7050,  
0.5370

■ 146.1350, -4.8140,  
-0.8620

■ 154.7750,  
-12.6080, -2.7840

■ 163.4150,  
-20.4020, -4.7060

# Harmonies

## Analogous

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



87.2220, 44.1940, 25.0740



86.7150, 49.5150, 11.2350



85.7550, 42.8700, -6.0100

# Triad

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



86.7150, 49.5150, 11.2350



67.1700, -48.5940, -33.4420



81.6020, -48.1890, 8.7950

# Complementary

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



86.7150, 49.5150, 11.2350



105.2850, -49.5150, -11.2350

# 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.



74.1700, -73.8160, -5.8480



86.7150, 49.5150, 11.2350



71.4050, -59.1410, -24.0130

# Square

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



86.7150, 49.5150, 11.2350



80.1790, -0.0870, -25.9670



74.2380, -68.4960, -14.1600



90.5430, -5.0020, 24.5820



# Rectangle

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



86.7150, 49.5150, 11.2350



84.7550, 33.7020, -16.0740



74.2380, -68.4960, -14.1600



71.2180, -73.7710, -1.1550

# Sweetspot

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



86.7150, 49.5150, 11.2350



162.4000, 19.4850, 4.8050



86.6880, 28.9230, 43.0270



79.0400, 11.6910, 2.8830



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



86.7150, 49.5150, 11.2350



98.5460, 78.0320, 17.5520



112.5430, 37.4150, -11.7770



66.6800, 3.8970, 0.9610



53.2790, 74.4100, 17.1140



2.9790, 4.4930, 1.1730



# Inverse Universe

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



105.2850, -49.5150, -11.2350



127.4540, -78.0320, -17.5520



80.0440, -37.6900, 11.2540



68.3200, -3.8970, -0.9610



81.7210, -74.4100, -17.1140



4.4340, -4.2180, -0.6500



# Previews

## White Background



This preview shows how the YIQ color 86.7150, 49.5150, 11.2350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

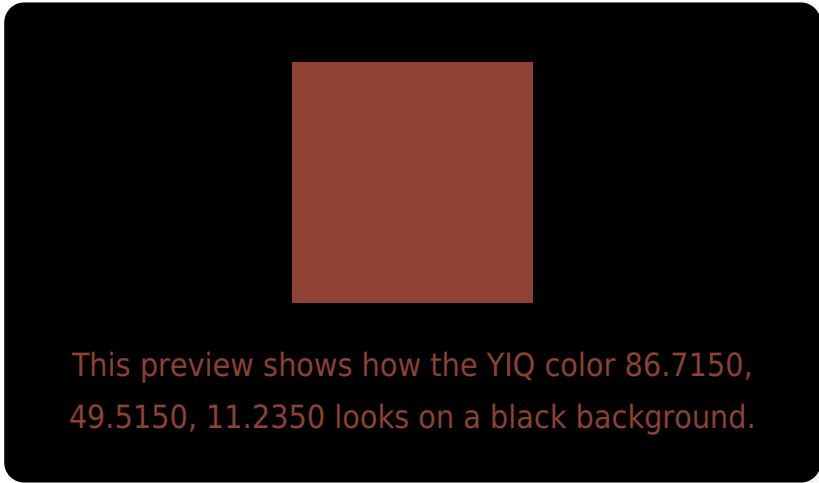
Any Text WCAG AA ✓ Pass

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 86.7150, 49.5150, 11.2350

## Background



This preview shows how black text looks on a background with the YIQ color 86.7150, 49.5150, 11.2350.



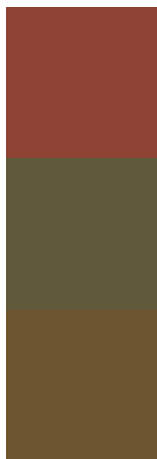
This preview shows how white text looks on a background with the YIQ color 86.7150, 49.5150,



# 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

86.7150, 49.5150, 11.2350

### Protanopia

87.7870, 13.4810, -7.5350

### Deuteranopia

87.8440, 26.5020, -6.7300



## Tritanopia

87.7780, 45.2040, 17.7800

# Trichromacy



## Original Color

86.7150, 49.5150, 11.2350

## Protanomaly

87.5330, 26.1800, -0.8920

## Deuteranomaly

87.4370, 35.2580, -0.2140

## Tritanomaly

87.6810, 46.8550, 15.3910

# Monochromacy



## Original Color

86.7150, 49.5150, 11.2350

## Achromatopsia

87.0000, -0.0000, -0.0000

## Achromatomaly

86.8020, 18.2930, 4.3810

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 86.7150, 49.5150, 11.2350 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(141, 66, 51)` looks like.

```
.text, #text, p{  
    color:rgb(141, 66, 51)  
}
```

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(141, 66, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 66, 51) }
```

## Border

The CSS property to change the border of an element to YIQ 86.7150, 49.5150, 11.2350 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(141, 66, 51) }
```



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

```
.border{ border-color:rgb(141, 66, 51) }
```

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

Here you see how a box with a 4 pixel rgb(141, 66, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 66, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 66, 51);  
box-shadow:4px 4px 4px 4px rgb(141, 66,  
51) }
```

# Background

The CSS property to change the background color of an element to YIQ 86.7150, 49.5150, 11.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 66, 51) }
```

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

```
.background{ background-color: rgb(141, 66,  
51) }
```

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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