

# Converting Colors

YIQ(89.6890, 69.5990, -0.3290)

Have a look what the booklet for  
YIQ(89.6890, 69.5990, -0.3290)  
contains.

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# Color

**YIQ(89.6890, 69.5990,  
-0.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C470C
RGB	156, 71, 12
RGB Percent	61%, 28%, 5%
CMY	0.3881, 0.7217, 0.9526
CMYK	0.00, 0.55, 0.92, 0.39
HSL	25°, 86%, 33%
HSV	25°, 92%, 61%
XYZ	16.0363, 11.6008, 1.7444
YIQ	89.6890, 69.5990, -0.3290

# Conversions

## Conversions Part 2

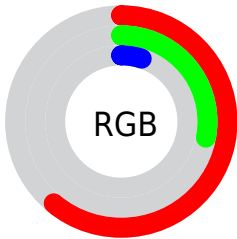
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 112, 12
Decimal	10241804
CIELab	40.57, 32.43, 47.12
CIELCh	41, 57.204, 55.464
Yxy	11.6008, 0.5458, 0.3948
Android (android.graphics.Color)	4288431884 (0xFF9C470C)
YUV	89.6890, -38.3007, 58.1547
Hunter-Lab	34.0599, 24.4375, 20.8053

# Details

The YIQ color **89.6890, 69.5990, -0.3290** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **78.3110, -69.5990, 0.3290**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.7930, 75.2380, 2.1020**, and **42.2160, 52.3580, 9.2700** is the 20% darker color. If you saturate the color by 10%, you get **84.2120, 75.3760, -0.4000**, and if you desaturate by 10%, it is **96.7960, 61.9880, -0.0600**.

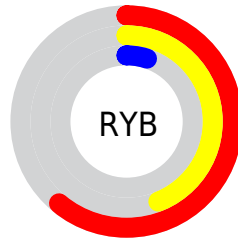
# Distribution



Red (61%)

Green (28%)

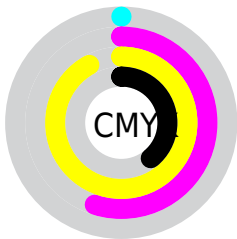
Blue (5%)



Red (61%)

Yellow (44%)

Blue (5%)

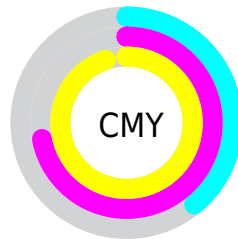


Cyan (0%)

Magenta (55%)

Yellow (92%)

Black (39%)



Cyan (39%)

Magenta (72%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.6890, 69.5990, -0.3290 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 89.6890, 69.5990, -0.3290 by changing the saturation by 10% instead.



89.6890, 69.5990,  
-0.3290

89.6890, 69.5990,  
-0.3290

254.5440, 1.2840,  
-1.2440

65.5620, 62.7670,  
2.3430

142.7930, 75.2380,  
2.1020

42.2160, 52.3580,  
9.2700

170.7610, 78.2640,  
2.3280

20.6310, 41.1240,  
14.6280

191.8520, 67.5820,  
-2.3220

13.5690, 26.4990,  
9.8510

210.6650, 51.8110,  
-8.3570

0.0000, 0.0000,  
0.0000

230.7660, 35.1690,  
-15.1270

248.0460, 19.5810,

-18.9710

■ 251.2380, 10.5930,  
-10.2630

■ 89.6890, 69.5990,  
-0.3290

■ 89.6890, 69.5990,  
-0.3290

■ 84.2120, 75.3760,  
-0.4000

■ 96.7960, 61.9880,  
-0.0600

■ 103.7890, 54.6980,  
-0.1020

■ 111.4830, 46.8120,  
-0.3560

■ 118.5900, 39.2010,  
-0.0870

■ 125.5830, 31.9110,  
-0.1290

■ 132.6900, 24.3000,  
0.1400

■ 140.2700, 16.7350,  
-0.4250

■ 147.3770, 9.1240,  
-0.1560

■ 154.4840, 1.5130,  
0.1130

# Harmonies

## Analogous

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



87.2270, 72.1610, 30.3450



89.6890, 69.5990, -0.3290



89.8950, 47.6870, -21.7290

# Triad

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



89.6890, 69.5990, -0.3290



78.0100, -59.8270, -33.6110



93.8400, -36.4550, 27.4250

# Complementary

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



89.6890, 69.5990, -0.3290



78.3110, -69.5990, 0.3290

# 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.



82.7080, -89.5900, 4.6980



89.6890, 69.5990, -0.3290



83.4820, -75.2350, -18.6830

# Square

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



89.6890, 69.5990, -0.3290



70.0760, -42.9980, -46.7580



86.0530, -86.6080, -5.2960



96.4360, 20.9450, 44.4410



# Rectangle

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



89.6890, 69.5990, -0.3290



87.3930, 28.2490, -32.8950



86.0530, -86.6080, -5.2960



82.7860, -71.8940, 14.3940

# Sweetspot

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



89.6890, 69.5990, -0.3290



177.5440, 27.6470, 0.0550



64.8600, 58.2180, 57.2740



86.2700, 16.7350, -0.4250



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



89.6890, 69.5990, -0.3290



109.7170, 98.7590, -0.1610



131.3660, 50.0740, -37.4620



75.1530, 3.9430, 0.1270



76.8030, 69.2780, -0.0180



8.0070, 7.2900, 0.0420



# Inverse Universe

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



78.3110, -69.5990, 0.3290



94.2830, -98.7590, 0.1610



36.6340, -50.0740, 37.4620



74.8470, -3.9430, -0.1270



65.6100, -69.0030, 0.5410



6.9930, -7.2900, -0.0420



# Previews

## White Background



This preview shows how the YIQ color 89.6890, 69.5990, -0.3290 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



This preview shows how the YIQ color 89.6890, 69.5990, -0.3290 looks on a 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 89.6890, 69.5990, -0.3290**

## **Background**



This preview shows how black text looks on a background with the YIQ color 89.6890, 69.5990, -0.3290.



This preview shows how white text looks on a background with the YIQ color 89.6890, 69.5990,

-0.3290.

# 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

89.6890, 69.5990, -0.3290

### Protanopia

91.6960, 32.1900, -21.7140

### Deuteranopia

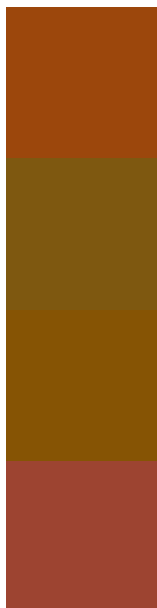
89.8950, 47.6870, -21.7290



## Tritanopia

93.9640, 53.5480, 20.7480

# Trichromacy



## Original Color

89.6890, 69.5990, -0.3290

## Protanomaly

91.1540, 45.7600, -14.3360

## Deuteranomaly

89.8300, 55.4800, -14.2800

## Tritanomaly

92.4450, 59.1430, 12.9590

# Monochromacy



## Original Color

89.6890, 69.5990, -0.3290

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

89.8750, 25.2170, 0.0410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.6890, 69.5990, -0.3290 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(156, 71, 12)` looks like.

```
.text, #text, p{  
    color:rgb(156, 71, 12)  
}
```

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(156, 71, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 71, 12) }
```

## Border

The CSS property to change the border of an element to YIQ 89.6890, 69.5990, -0.3290 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(156, 71, 12) }
```



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

```
.border{ border-color:rgb(156, 71, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 71, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 71, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 71, 12);  
box-shadow:4px 4px 4px 4px rgb(156, 71,  
12) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.6890, 69.5990, -0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 71, 12) }
```

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

```
.background{ background-color: rgb(156, 71,  
12) }
```

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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