

Converting Colors

YIQ(89.7230, 37.8690, 13.0450)

Have a look what the booklet for
YIQ(89.7230, 37.8690, 13.0450)
contains.

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Color

**YIQ(89.7230, 37.8690,
13.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	864746
RGB	134, 71, 70
RGB Percent	53%, 28%, 27%
CMY	0.4744, 0.7217, 0.7253
CMYK	0.00, 0.47, 0.48, 0.47
HSL	1°, 31%, 40%
HSV	1°, 48%, 53%
XYZ	13.1958, 10.0173, 7.0388
YIQ	89.7230, 37.8690, 13.0450

Conversions

Conversions Part 2

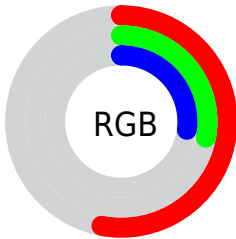
Format	Color
R_{YB}	134, 71, 70
Decimal	8800070
CIE Lab	37.87, 26.69, 12.62
CIE LCh	38, 29.522, 25.302
Yxy	10.0173, 0.4362, 0.3311
Android (android.graphics.Color)	4286990150 (0xFF864746)
YUV	89.7230, -9.7234, 38.8309
Hunter-Lab	31.6500, 19.0344, 8.9693

Details

The YIQ color **89.7230, 37.8690, 13.0450** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **114.2770, -37.8690, -13.0450**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.2890, 42.0870, 13.6950**, and **41.3850, 33.0090, 13.0170** is the 20% darker color. If you saturate the color by 10%, you get **80.6100, 45.6170, 15.8010**, and if you desaturate by 10%, it is **98.8360, 30.1210, 10.2890**.

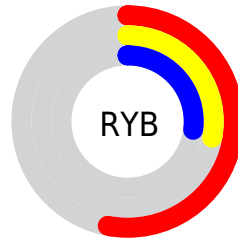
Distribution



Red (53%)

Green (28%)

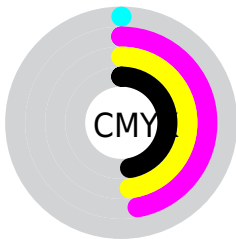
Blue (27%)



Red (53%)

Yellow (28%)

Blue (27%)

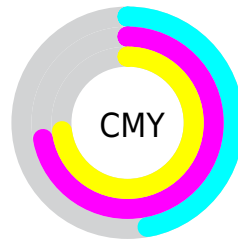


Cyan (0%)

Magenta (47%)

Yellow (48%)

Black (47%)



Cyan (47%)

Magenta (72%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 89.7230, 37.8690, 13.0450 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 89.7230, 37.8690, 13.0450 by changing the saturation by 10% instead.

■ 89.7230, 37.8690,
13.0450

■ 89.7230, 37.8690,
13.0450

255.0000, -0.0000,
-0.0000

■ 65.0540, 35.4390,
13.0310

■ 141.2890, 42.0870,
13.6950

■ 41.3850, 33.0090,
13.0170

■ 167.8870, 43.2790,
14.1190

■ 17.3310, 33.1010,
11.3490

■ 195.6700, 45.3880,
14.4440

■ 9.3830, 18.1550,
6.8830

■ 216.8040, 33.1470,
10.5150

■ 0.0000, 0.0000,
0.0000

■ 237.0190, 16.1840,
4.0560

254.8860, 0.3210,

-0.3110

■ 89.7230, 37.8690,
13.0450

■ 89.7230, 37.8690,
13.0450

■ 80.6100, 45.6170,
15.8010

■ 98.8360, 30.1210,
10.2890

■ 71.3830, 53.6860,
18.2460

■ 108.0630, 22.0520,
7.8440

■ 61.6830, 61.7090,
21.5250

■ 117.7630, 14.0290,
4.5650

■ 52.4560, 69.7780,
23.9700

■ 126.9900, 5.9600,
2.1200

■ 43.3430, 77.5260,
26.7260

■ 136.1030, -1.7880,
-0.6360

■ 41.2400, 79.3140,
27.3620

■ 145.2160, -9.5360,
-3.3920

■ 154.4430,
-17.6050, -5.8370

■ 164.1430,
-25.6280, -9.1160

■ 173.3700,
-33.6970, -11.5610

Harmonies

Analogous

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



90.9750, 28.6520, 20.3960



89.7230, 37.8690, 13.0450



88.9750, 36.6790, 1.5670

Triad

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



89.7230, 37.8690, 13.0450



81.5120, -14.0260, -21.1460



82.0550, -45.3910, 2.1370

Complementary

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



89.7230, 37.8690, 13.0450



114.2770, -37.8690, -13.0450

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.



72.1180, -68.0380, -11.4460



89.7230, 37.8690, 13.0450



70.0590, -52.3550, -25.8510

Square

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



89.7230, 37.8690, 13.0450



85.1250, 9.1730, -17.5710



71.7130, -62.7640, -18.9240



89.7710, -14.8120, 15.1400

Rectangle

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



89.7230, 37.8690, 13.0450



88.2960, 31.0410, -6.3910



71.7130, -62.7640, -18.9240



75.0420, -61.7120, -4.9440

Sweetspot

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



89.7230, 37.8690, 13.0450



156.1760, 14.3040, 5.0880



96.4320, 17.6000, 33.4720



76.4850, 8.9400, 3.1800



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.



89.7230, 37.8690, 13.0450



104.8890, 58.1330, 20.2530



107.9200, 29.3440, -3.1680



61.7940, 3.5760, 1.2720



40.0440, 76.9300, 26.5140



0.8970, 1.7880, 0.6360

Inverse Universe

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



114.2770, -37.8690, -13.0450



143.1110, -58.1330, -20.2530



96.0800, -29.3440, 3.1680



64.2060, -3.5760, -1.2720



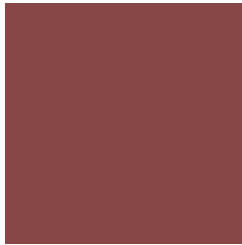
89.9560, -76.9300, -26.5140



2.1030, -1.7880, -0.6360

Previews

White Background



This preview shows how the YIQ color 89.7230, 37.8690, 13.0450 looks on a white background.

Color Contrast Check

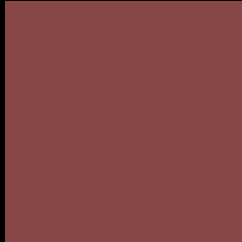
Large Text (above 18pt) WCAG AA ✓ Pass

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 89.7230, 37.8690, 13.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

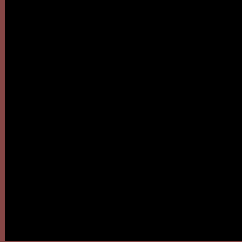
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 89.7230, 37.8690, 13.0450

Background



This preview shows how black text looks on a background with the YIQ color 89.7230, 37.8690, 13.0450.



This preview shows how white text looks on a background with the YIQ color 89.7230, 37.8690,

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

89.7230, 37.8690, 13.0450

Protanopia

89.3550, 6.1900, -2.0500

Deuteranopia

89.8140, 18.0190, -1.6690



Tritanopia

89.7060, 36.5390, 15.1230

Trichromacy



Original Color

89.7230, 37.8690, 13.0450

Protanomaly

89.3890, 18.0180, 3.8580

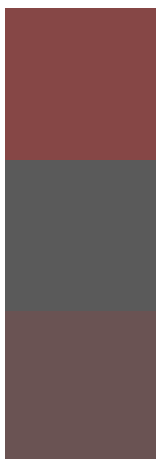
Deuteranomaly

89.9830, 25.0330, 3.3770

Tritanomaly

89.4780, 37.1810, 14.5010

Monochromacy



Original Color

89.7230, 37.8690, 13.0450

Achromatopsia

90.0000, -0.0000, -0.0000

Achromatomaly

89.8770, 13.7080, 4.8760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 89.7230, 37.8690, 13.0450 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(134, 71, 70)` looks like.

```
.text, #text, p{  
    color:rgb(134, 71, 70)  
}
```

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(134, 71, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 71, 70) }
```

Border

The CSS property to change the border of an element to YIQ 89.7230, 37.8690, 13.0450 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(134, 71, 70) }
```


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

```
.border{ border-color:rgb(134, 71, 70) }
```

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

Here you see how a box with a 4 pixel rgb(134, 71, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 71, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 71, 70);  
box-shadow:4px 4px 4px 4px rgb(134, 71,  
70) }
```

Background

The CSS property to change the background color of an element to YIQ 89.7230, 37.8690, 13.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 71, 70) }
```

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

```
.background{ background-color: rgb(134, 71,  
70) }
```

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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