

# Converting Colors

YIQ(71.0810, 21.6410, -1.2310)

Have a look what the booklet for  
YIQ(71.0810, 21.6410, -1.2310)  
contains.

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# Color

**YIQ(71.0810, 21.6410,  
-1.2310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B422D
RGB	91, 66, 45
RGB Percent	36%, 26%, 18%
CMY	0.6431, 0.7412, 0.8234
CMYK	0.00, 0.27, 0.51, 0.64
HSL	27°, 34%, 27%
HSV	27°, 51%, 36%
XYZ	6.7373, 6.3096, 3.3480
YIQ	71.0810, 21.6410, -1.2310

# Conversions

## Conversions Part 2

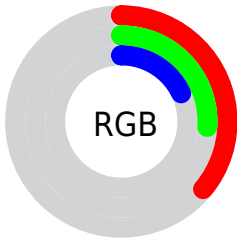
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	91, 84, 45
Decimal	5980717
CIE Lab	30.18, 7.87, 16.96
CIE LCh	30, 18.702, 65.101
Yxy	6.3096, 0.4109, 0.3849
Android (android.graphics.Color)	4284170797 (0xFF5B422D)
YUV	71.0810, -12.8579, 17.4690
Hunter-Lab	25.1189, 3.9185, 9.6806

# Details

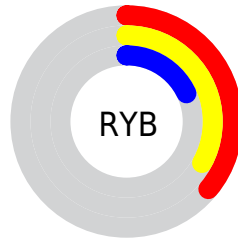
The YIQ color **71.0810, 21.6410, -1.2310** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **64.9190, -21.6410, 1.2310**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **120.0490, 24.6670, -1.0050**, and **26.6570, 19.8990, -2.7010** is the 20% darker color. If you saturate the color by 10%, you get **67.1200, 25.9050, -1.4150**, and if you desaturate by 10%, it is **75.0420, 17.3770, -1.0470**.

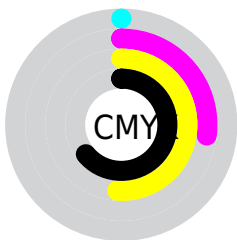
# Distribution



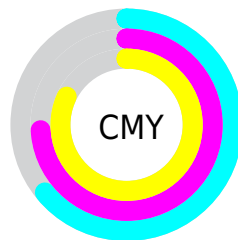
- Red (36%)
- Green (26%)
- Blue (18%)



- Red (36%)
- Yellow (33%)
- Blue (18%)



- Cyan (0%)
- Magenta (27%)
- Yellow (51%)
- Black (64%)



- Cyan (64%)
- Magenta (74%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 71.0810, 21.6410, -1.2310 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 71.0810, 21.6410, -1.2310 by changing the saturation by 10% instead.



■ 71.0810, 21.6410,  
-1.2310

■ 71.0810, 21.6410,  
-1.2310

■ 255.0000, -0.0000,  
-0.0000

■ 48.5970, 20.1280,  
-1.3440

■ 120.0490, 24.6670,  
-1.0050

■ 26.6570, 19.8990,  
-2.7010

■ 145.6470, 25.8590,  
-0.5810

■ 5.6810, 11.3240,  
4.0280

■ 172.4190, 26.5010,  
-1.2030

■ 0.0000, 0.0000,  
0.0000

■ 200.0170, 27.6930,  
-0.7790

■ 228.2020, 28.6100,  
-0.8780

■ 247.8300, 11.9220,

-6.8140

254.6580, 0.9630,  
-0.9330

■ 71.0810, 21.6410,  
-1.2310

■ 71.0810, 21.6410,  
-1.2310

■ 67.1200, 25.9050,  
-1.4150

■ 75.0420, 17.3770,  
-1.0470

■ 63.1590, 30.1690,  
-1.5990

■ 79.0030, 13.1130,  
-0.8630

■ 59.1980, 34.4330,  
-1.7830

■ 82.9640, 8.8490,  
-0.6790

■ 55.2370, 38.6970,  
-1.9670

■ 86.9250, 4.5850,  
-0.4950

■ 51.2760, 42.9610,  
-2.1510

■ 91.0000, -0.0000,  
-0.0000

■ 94.9610, -4.2640,  
0.1840

■ 98.9220, -8.5280,  
0.3680

■ 102.8830,  
-12.7920, 0.5520

■ 106.8440,  
-17.0560, 0.7360

# Harmonies

## Analogous

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



72.2650, 24.2990, 5.6670



71.0810, 21.6410, -1.2310



69.7870, 13.4810, -7.5350

# Triad

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



71.0810, 21.6410, -1.2310



63.0670, -28.4700, -12.6780



72.2960, -3.3490, 11.1390

# Complementary

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



71.0810, 21.6410, -1.2310



64.9190, -21.6410, 1.2310

# 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.



70.1090, -19.1200, 5.1040



71.0810, 21.6410, -1.2310



60.7870, -39.2450, -10.1330

# Square

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



71.0810, 21.6410, -1.2310



65.8530, -13.2480, -13.2160



64.9390, -33.5610, -3.0090



73.4780, 10.8180, 13.2020



# Rectangle

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



71.0810, 21.6410, -1.2310



68.7860, 6.0540, -10.6020



64.9390, -33.5610, -3.0090



71.9040, -8.1170, 9.4430

# Sweetspot

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



71.0810, 21.6410, -1.2310



109.7790, 7.9320, -0.5800



61.6040, 19.3910, 17.5270



54.2240, 5.1810, -0.2830



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



71.0810, 21.6410, -1.2310



86.0130, 33.5160, -1.6840



84.5820, 15.3160, -13.2600



43.6690, 2.4300, 0.0140



62.2400, 51.8100, -2.8300



134.2590, 111.5520, -6.2400



# Inverse Universe

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



64.9190, -21.6410, 1.2310



76.9870, -33.5160, 1.6840



51.4180, -15.3160, 13.2600



43.3310, -2.4300, -0.0140



47.7600, -51.8100, 2.8300



102.7410, -111.5520, 6.2400



# Previews

## White Background



This preview shows how the YIQ color 71.0810, 21.6410, -1.2310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

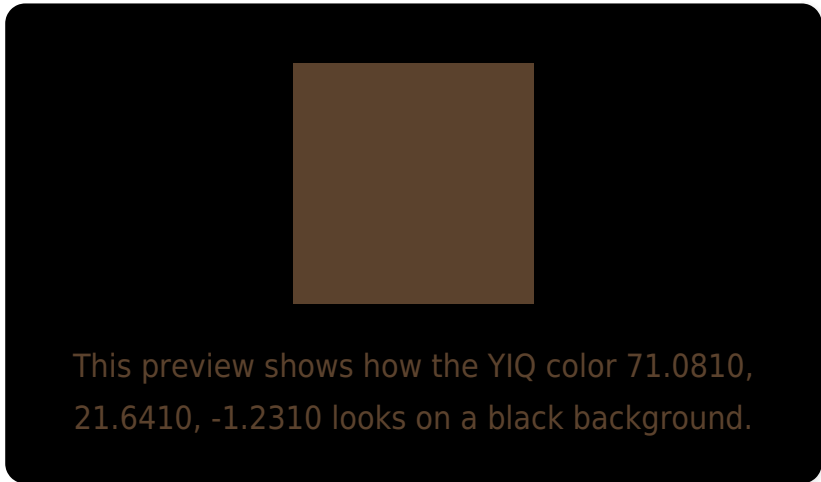
Any Text WCAG AA ✓ Pass

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

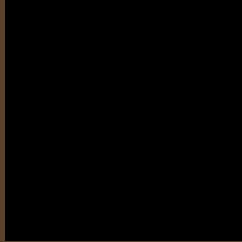
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 71.0810, 21.6410, -1.2310**

## **Background**



This preview shows how black text looks on a background with the YIQ color 71.0810, 21.6410, -1.2310.



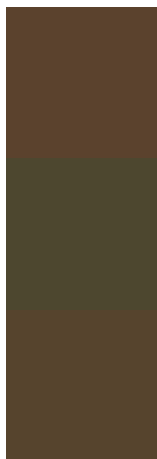
This preview shows how white text looks on a background with the YIQ color 71.0810, 21.6410,

-1.2310.

# 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

71.0810, 21.6410, -1.2310

### Protanopia

70.0580, 11.2800, -6.1920

### Deuteranopia

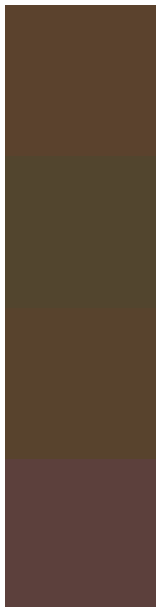
70.7600, 18.1110, -3.3370



## Tritanopia

72.5400, 16.2750, 7.9150

# Trichromacy



## Original Color

71.0810, 21.6410, -1.2310

## Protanomaly

70.2650, 15.1310, -4.3970

## Deuteranomaly

70.7710, 19.5780, -2.3900

## Tritanomaly

71.9160, 17.9720, 4.6920

# Monochromacy



## Original Color

71.0810, 21.6410, -1.2310

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

70.8930, 7.6110, -0.2690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 71.0810, 21.6410, -1.2310 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(91, 66, 45) looks like.

```
.text, #text, p{  
    color:rgb(91, 66, 45)  
}
```

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(91, 66, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 66, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 71.0810, 21.6410, -1.2310 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(91, 66, 45) }
```



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

```
.border{ border-color:rgb(91, 66, 45) }
```

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

Here you see how a box with a 4 pixel rgb(91, 66, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 66, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 66, 45);  
box-shadow:4px 4px 4px 4px rgb(91, 66, 45)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 71.0810, 21.6410, -1.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 66, 45) }
```

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

```
.background{ background-color: rgb(91, 66,  
45) }
```

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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