

# Converting Colors

YIQ(79.4670, 43.7410, -5.2750)

Have a look what the booklet for  
YIQ(79.4670, 43.7410, -5.2750)  
contains.

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# Color

**YIQ(79.4670, 43.7410,  
-5.2750)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	764716
RGB	118, 71, 22
RGB Percent	46%, 28%, 9%
CMY	0.5372, 0.7216, 0.9135
CMYK	0.00, 0.40, 0.81, 0.54
HSL	31°, 69%, 27%
HSV	31°, 81%, 46%
XYZ	9.8713, 8.4151, 1.8658
YIQ	79.4670, 43.7410, -5.2750

# Conversions

## Conversions Part 2

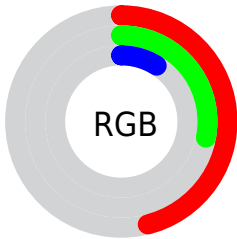
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	114, 118, 22
Decimal	7751446
CIE Lab	34.83, 15.92, 36.08
CIE LCh	35, 39.436, 66.193
Yxy	8.4151, 0.4898, 0.4176
Android (android.graphics.Color)	4285941526 (0xFF764716)
YUV	79.4670, -28.3312, 33.7934
Hunter-Lab	29.0088, 9.9761, 16.4927

# Details

The YIQ color **79.4670, 43.7410, -5.2750** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **60.5330, -43.7410, 5.2750**, and the grayscale version is **80.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **130.3320, 48.5550, -4.4130**, and **35.2840, 31.3150, -0.3410** is the 20% darker color. If you saturate the color by 10%, you get **74.5770, 49.2430, -5.8690**, and if you desaturate by 10%, it is **84.3570, 38.2390, -4.6810**.

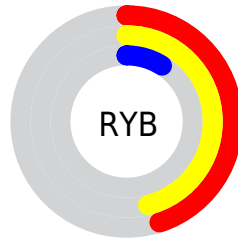
# Distribution



Red (46%)

Green (28%)

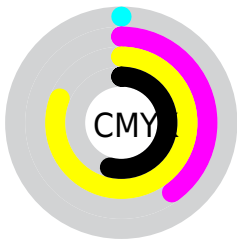
Blue (9%)



Red (45%)

Yellow (46%)

Blue (9%)

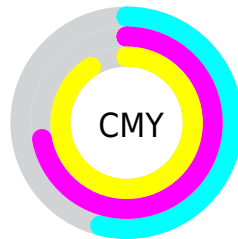


Cyan (0%)

Magenta (40%)

Yellow (81%)

Black (54%)



Cyan (54%)

Magenta (72%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 79.4670, 43.7410, -5.2750 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 79.4670, 43.7410, -5.2750 by changing the saturation by 10% instead.



■ 79.4670, 43.7410,  
-5.2750

■ 79.4670, 43.7410,  
-5.2750

■ 255.0000, -0.0000,  
-0.0000

■ 55.3850, 41.0360,  
-5.8120

■ 130.3320, 48.5550,  
-4.4130

■ 35.2840, 31.3150,  
-0.3410

■ 156.4140, 51.2600,  
-3.8760

■ 14.3080, 22.7400,  
6.3880

■ 183.7840, 53.0940,  
-4.0740

■ 0.0000, 0.0000,  
0.0000

■ 209.4740, 51.0310,  
-5.2330

■ 228.9880, 34.6640,  
-11.4800

■ 248.6160, 17.9760,

-17.4160

■ 251.8080, 8.9880,  
-8.7080

■ 79.4670, 43.7410,  
-5.2750

■ 79.4670, 43.7410,  
-5.2750

■ 74.5770, 49.2430,  
-5.8690

■ 84.3570, 38.2390,  
-4.6810

■ 70.5020, 53.8280,  
-6.3640

■ 89.2470, 32.7370,  
-4.0870

■ 93.4360, 27.8310,  
-3.2810

■ 98.3260, 22.3290,  
-2.6870

■ 103.2160, 16.8270,  
-2.0930

■ 108.1060, 11.3250,  
-1.4990

■ 112.4090, 6.0980,  
-0.3820

■ 117.1850, 0.9170,  
-0.0990

■ 122.0750, -4.5850,  
0.4950

# Harmonies

## Analogous

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



79.6550, 49.7440, 12.5920



79.4670, 43.7410, -5.2750



76.8960, 28.7510, -19.9610

# Triad

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



79.4670, 43.7410, -5.2750



66.9710, -54.9230, -23.3630



84.3470, -7.3860, 23.7340

# Complementary

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



79.4670, 43.7410, -5.2750



60.5330, -43.7410, 5.2750

# 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.



70.9320, -58.0460, 5.7140



79.4670, 43.7410, -5.2750



69.8040, -64.2780, -13.5100

# Square

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



79.4670, 43.7410, -5.2750



62.0350, -43.7800, -32.5800



69.8500, -69.9190, -4.8870



83.7330, 23.8820, 29.7540



# Rectangle

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



79.4670, 43.7410, -5.2750



75.1650, 11.6960, -24.7520



69.8500, -69.9190, -4.8870



82.2960, -20.5440, 19.9040

# Sweetspot

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



79.4670, 43.7410, -5.2750



138.2160, 16.8270, -2.0930



56.1760, 41.8080, 35.2800



67.9210, 10.4080, -1.4000



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



79.4670, 43.7410, -5.2750



93.0490, 68.2250, -8.4710



107.0560, 30.8160, -29.8560



56.5550, 2.7510, -0.2970



72.8720, 55.6620, -6.5620



149.2990, 114.0750, -13.4210



# Inverse Universe

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



60.5330, -43.7410, 5.2750



63.5380, -68.5000, 7.9480



32.9440, -30.8160, 29.8560



55.4450, -2.7510, 0.2970



49.1280, -55.6620, 6.5620



100.1140, -113.8000, 13.9440



# Previews

## White Background



This preview shows how the YIQ color 79.4670, 43.7410, -5.2750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

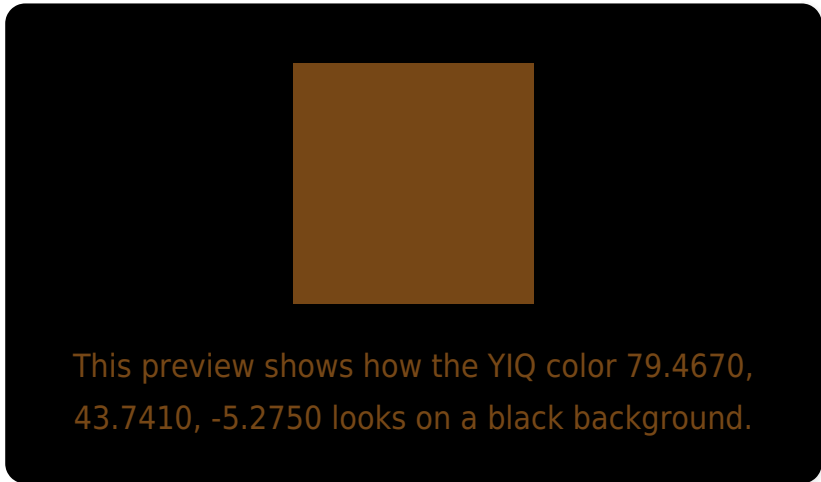
Any Text WCAG AA ✓ Pass

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 79.4670, 43.7410, -5.2750**

## **Background**



This preview shows how black text looks on a background with the YIQ color 79.4670, 43.7410, -5.2750.



This preview shows how white text looks on a background with the YIQ color 79.4670, 43.7410,

-5.2750.

# 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

79.4670, 43.7410, -5.2750

### Protanopia

79.0790, 23.9820, -16.1300

### Deuteranopia

79.0480, 34.4350, -12.8370



## Tritanopia

82.7160, 30.5790, 13.0030

# Trichromacy



## Original Color

79.4670, 43.7410, -5.2750

## Protanomaly

79.3080, 30.7670, -12.4410

## Deuteranomaly

78.8960, 37.9190, -9.8970

## Tritanomaly

81.5390, 35.2110, 6.1470

# Monochromacy



## Original Color

79.4670, 43.7410, -5.2750

## Achromatopsia

79.0000, -0.0000, 0.0000

## Achromatomaly

79.0310, 15.9100, -1.9940

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 79.4670, 43.7410, -5.2750 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(118, 71, 22)` looks like.

```
.text, #text, p{  
    color:rgb(118, 71, 22)  
}
```

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(118, 71, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 71, 22) }
```

## Border

The CSS property to change the border of an element to YIQ 79.4670, 43.7410, -5.2750 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(118, 71, 22) }
```



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

```
.border{ border-color:rgb(118, 71, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 71, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 71, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 71, 22);  
box-shadow:4px 4px 4px 4px rgb(118, 71,  
22) }
```

# Background

The CSS property to change the background color of an element to YIQ 79.4670, 43.7410, -5.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 71, 22) }
```

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

```
.background{ background-color: rgb(118, 71,  
22) }
```

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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