

# Converting Colors

YIQ(73.4580, 30.7650, -1.3870)

Have a look what the booklet for  
YIQ(73.4580, 30.7650, -1.3870)  
contains.

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# Color

**YIQ(73.4580, 30.7650,  
-1.3870)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	664225
RGB	102, 66, 37
RGB Percent	40%, 26%, 15%
CMY	0.5999, 0.7412, 0.8548
CMYK	0.00, 0.35, 0.64, 0.60
HSL	27°, 47%, 27%
HSV	27°, 64%, 40%
XYZ	7.7633, 6.8542, 2.6671
YIQ	73.4580, 30.7650, -1.3870

# Conversions

## Conversions Part 2

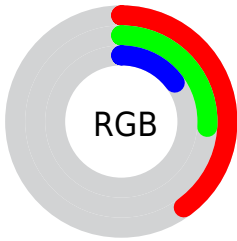
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 89, 37
Decimal	6701605
CIE <sub>Lab</sub>	31.47, 12.32, 23.77
CIE <sub>LCh</sub>	31, 26.767, 62.606
Yxy	6.8542, 0.4491, 0.3966
Android (android.graphics.Color)	4284891685 (0xFF664225)
YUV	73.4580, -17.9738, 25.0313
Hunter-Lab	26.1806, 7.1141, 12.2863

# Details

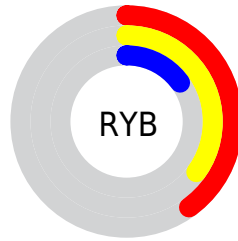
The YIQ color **73.4580, 30.7650, -1.3870** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **65.5420, -30.7650, 1.3870**, and the grayscale version is **74.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **122.7250, 34.3870, -0.9490**, and **29.0490, 24.6670, -1.0050** is the 20% darker color. If you saturate the color by 10%, you get **68.7960, 35.6250, -1.3590**, and if you desaturate by 10%, it is **78.1200, 25.9050, -1.4150**.

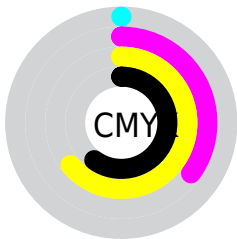
# Distribution



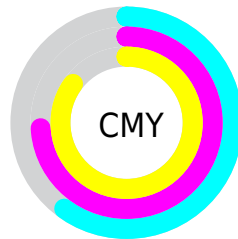
- Red (40%)
- Green (26%)
- Blue (15%)



- Red (40%)
- Yellow (35%)
- Blue (15%)



- Cyan (0%)
- Magenta (35%)
- Yellow (64%)
- Black (60%)



- Cyan (60%)
- Magenta (74%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 73.4580, 30.7650, -1.3870 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 73.4580, 30.7650, -1.3870 by changing the saturation by 10% instead.



■ 73.4580, 30.7650,  
-1.3870

■ 73.4580, 30.7650,  
-1.3870

■ 255.0000, -0.0000,  
-0.0000

■ 50.3760, 28.0600,  
-1.9240

■ 123.0240, 34.9830,  
-0.7370

■ 29.0490, 24.6670,  
-1.0050

■ 149.0950, 36.2210,  
-1.1470

■ 8.6710, 17.2840,  
6.1480

■ 175.8780, 38.3300,  
-0.8220

■ 0.0000, 0.0000,  
0.0000

■ 203.4760, 39.5220,  
-0.3980

■ 227.1760, 31.4990,  
-3.6770

■ 247.3910, 14.5360,

-10.1360

253.5180, 4.1730,  
-4.0430

73.4580, 30.7650,  
-1.3870

73.4580, 30.7650,  
-1.3870

68.7960, 35.6250,  
-1.3590

78.1200, 25.9050,  
-1.4150

64.7210, 40.2100,  
-1.8540

82.1950, 21.3200,  
-0.9200

59.9450, 45.3910,  
-2.1370

86.9710, 16.1390,  
-0.6370

56.9130, 48.4170,  
-1.9110

91.6330, 11.2790,  
-0.6650

95.7080, 6.6940,  
-0.1700

■ 100.3700, 1.8340,  
-0.1980

■ 105.0320, -3.0260,  
-0.2260

■ 109.2210, -7.9320,  
0.5800

■ 113.8830,  
-12.7920, 0.5520

# Harmonies

## Analogous

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



74.1630, 33.5140, 9.3700



73.4580, 30.7650, -1.3870



71.8000, 20.6340, -10.5180

# Triad

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



73.4580, 30.7650, -1.3870



58.4450, -47.4500, -21.1300



75.6640, -7.2010, 14.8710

# Complementary

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



73.4580, 30.7650, -1.3870



65.5420, -30.7650, 1.3870

# 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.



70.0950, -33.7000, 5.0200



73.4580, 30.7650, -1.3870



60.2520, -53.9160, -14.0760

# Square

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



73.4580, 30.7650, -1.3870



65.6410, -18.7030, -18.9830



60.2010, -57.9060, -7.8420



76.4340, 14.1180, 19.4780



# Rectangle

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



73.4580, 30.7650, -1.3870



70.8910, 9.9520, -15.1680



60.2010, -57.9060, -7.8420



74.8910, -15.2700, 12.4260

# Sweetspot

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



73.4580, 30.7650, -1.3870



121.8180, 12.1960, -0.7640



60.6530, 26.8630, 25.2870



59.5940, 7.0150, -0.4810



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



73.4580, 30.7650, -1.3870



88.6140, 47.8210, -2.1230



92.2420, 21.9650, -18.1230



48.6690, 2.4300, 0.0140



64.3220, 54.5150, -2.2930



135.7540, 114.5320, -5.1800



# Inverse Universe

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



65.5420, -30.7650, 1.3870



76.3860, -47.8210, 2.1230



46.7580, -21.9650, 18.1230



48.3310, -2.4300, -0.0140



50.6780, -54.5150, 2.2930



106.2460, -114.5320, 5.1800



# Previews

## White Background



This preview shows how the YIQ color 73.4580, 30.7650, -1.3870 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

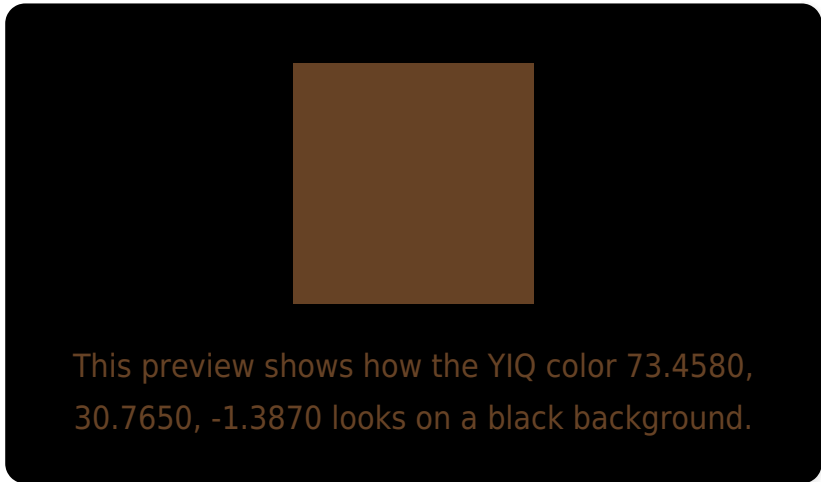
Any Text WCAG AA ✓ Pass

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 73.4580, 30.7650, -1.3870**

## **Background**



This preview shows how black text looks on a background with the YIQ color 73.4580, 30.7650, -1.3870.



This preview shows how white text looks on a background with the YIQ color 73.4580, 30.7650,

-1.3870.

# 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

73.4580, 30.7650, -1.3870

### Protanopia

73.1030, 15.4070, -9.4010

### Deuteranopia

73.2890, 23.7510, -6.4330



## Tritanopia

75.1280, 23.4270, 10.4590

# Trichromacy



## Original Color

73.4580, 30.7650, -1.3870

## Protanomaly

73.3210, 20.7250, -6.6590

## Deuteranomaly

73.3110, 26.6850, -4.5390

## Tritanomaly

74.1620, 26.0870, 6.3030

# Monochromacy



## Original Color

73.4580, 30.7650, -1.3870

## Achromatopsia

73.0000, -0.0000, -0.0000

## Achromatomaly

73.0460, 11.5540, -0.1420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 73.4580, 30.7650, -1.3870 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(102, 66, 37)` looks like.

```
.text, #text, p{  
    color:rgb(102, 66, 37)  
}
```

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(102, 66, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 66, 37) }
```

## Border

The CSS property to change the border of an element to YIQ 73.4580, 30.7650, -1.3870 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(102, 66, 37) }
```



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

```
.border{ border-color:rgb(102, 66, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 66, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 66, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 66, 37);  
box-shadow:4px 4px 4px 4px rgb(102, 66,  
37) }
```

# Background

The CSS property to change the background color of an element to YIQ 73.4580, 30.7650, -1.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 66, 37) }
```

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

```
.background{ background-color: rgb(102, 66,  
37) }
```

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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