

Converting Colors

YIQ(69.6730, 13.8020, -7.8460)

Have a look what the booklet for
YIQ(69.6730, 13.8020, -7.8460)
contains.

YIQ(69.6730, 13.8020, -7.8460)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(69.6730, 13.8020,
-7.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	4E4729
RGB	78, 71, 41
RGB Percent	31%, 28%, 16%
CMY	0.6941, 0.7216, 0.8391
CMYK	0.00, 0.09, 0.47, 0.69
HSL	49°, 31%, 23%
HSV	49°, 47%, 31%
XYZ	5.7955, 6.2860, 3.0075
YIQ	69.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

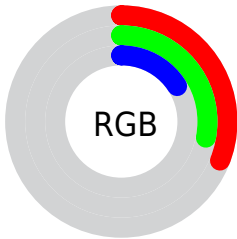
Format	Color
R_{YB}	50, 78, 41
Decimal	5130025
CIE _{Lab}	30.12, -2.01, 19.07
CIE _{LCh}	30, 19.171, 96.011
Yxy	6.2860, 0.3841, 0.4166
Android (android.graphics.Color)	4283320105 (0xFF4E4729)
YUV	69.6730, -14.1358, 7.3028
Hunter-Lab	25.0719, -2.6148, 10.4382

Details

The YIQ color **69.6730, 13.8020, -7.8460** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **49.3270, -13.8020, 7.8460**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **118.0430, 15.6360, -8.0440**, and **26.6020, 12.5640, -7.4360** is the 20% darker color. If you saturate the color by 10%, you get **68.1740, 16.6450, -9.8110**, and if you desaturate by 10%, it is **71.1720, 10.9590, -5.8810**.

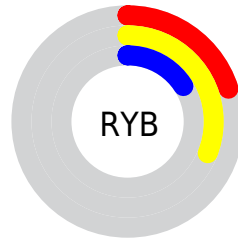
Distribution



Red (31%)

Green (28%)

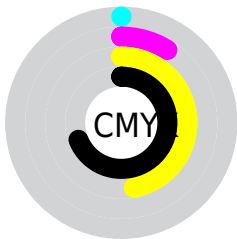
Blue (16%)



Red (20%)

Yellow (31%)

Blue (16%)

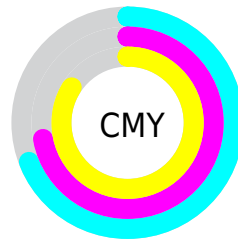


Cyan (0%)

Magenta (9%)

Yellow (47%)

Black (69%)



Cyan (69%)

Magenta (72%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 69.6730, 13.8020, -7.8460 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 69.6730, 13.8020, -7.8460 by changing the saturation by 10% instead.

■ 69.6730, 13.8020,
-7.8460

■ 69.6730, 13.8020,
-7.8460

■ 255.0000, -0.0000,
-0.0000

■ 47.4880, 12.8850,
-7.7470

■ 118.0430, 15.6360,
-8.0440

■ 26.6020, 12.5640,
-7.4360

■ 143.8150, 16.2780,
-8.6660

■ 0.5870, -0.2750,
-0.5230

■ 170.1140, 16.8740,
-8.4540

■ 0.0000, 0.0000,
0.0000

■ 197.8860, 17.5160,
-9.0760

■ 226.0710, 18.4330,
-9.1750

■ 250.7820, 11.8770,

-11.5070

254.0880, 2.5680,
-2.4880

69.6730, 13.8020,
-7.8460

69.6730, 13.8020,
-7.8460

68.1740, 16.6450,
-9.8110

71.1720, 10.9590,
-5.8810

66.0880, 19.7630,
-11.2530

73.2580, 7.8410,
-4.4390

64.7030, 22.2850,
-12.9070

74.6430, 5.3190,
-2.7850

62.6170, 25.4030,
-14.3490

76.7290, 2.2010,
-1.3430

61.1180, 28.2460,
-16.3140

78.2280, -0.6420,
0.6220

■ 60.3030, 29.1630,
-16.4130

■ 80.3140, -3.7600,
2.0640

■ 81.8130, -6.6030,
4.0290

■ 83.7850, -9.4000,
5.1600

■ 85.2840, -12.2430,
7.1250

Harmonies

Analogous

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



70.9670, 21.9620, -1.5420



69.6730, 13.8020, -7.8460



67.8070, 1.5610, -11.7750

Triad

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



69.6730, 13.8020, -7.8460



60.0040, -41.3540, -10.4580



72.7770, 11.4140, 13.4140

Complementary

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



69.6730, 13.8020, -7.8460



49.3270, -13.8020, 7.8460

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.



72.5950, -2.7530, 11.3510



69.6730, 13.8020, -7.8460



64.7540, -34.4780, -2.9100

Square

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



69.6730, 13.8020, -7.8460



62.2840, -30.5790, -13.0030



69.5220, -18.8450, 5.6270



72.2850, 21.5470, 11.4910

Rectangle

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



69.6730, 13.8020, -7.8460



66.3050, -8.7090, -12.8770



69.5220, -18.8450, 5.6270



73.3250, 6.8750, 13.0750

Sweetspot

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



69.6730, 13.8020, -7.8460



98.6430, 5.3190, -2.7850



52.8610, 19.8050, 10.0210



48.8000, 3.4390, -1.7530



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000

Same Dimension

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



69.6730, 13.8020, -7.8460



88.9310, 21.6430, -12.2850



70.4930, 5.3210, -13.8390



37.5440, 1.2840, -1.2440



79.2190, 37.9670, -21.7850



177.9520, 85.9300, -48.5180

Inverse Universe

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



49.3270, -13.8020, 7.8460



57.0690, -21.6430, 12.2850



48.5070, -5.3210, 13.8390



35.0430, -1.5590, 0.7210



22.7810, -37.9670, 21.7850



51.4610, -85.6550, 49.0410

Previews

White Background



This preview shows how the YIQ color 69.6730, 13.8020, -7.8460 looks on a white background.

Color Contrast Check

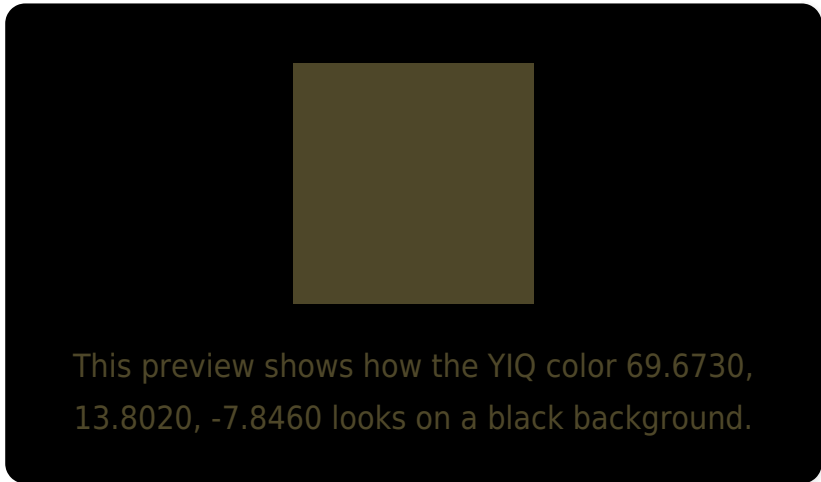
Large Text (above 18pt) WCAG AA ✓ Pass

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

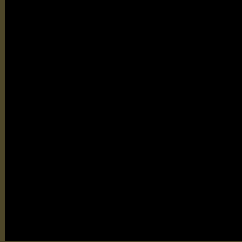
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 69.6730, 13.8020, -7.8460

Background



This preview shows how black text looks on a background with the YIQ color 69.6730, 13.8020, -7.8460.



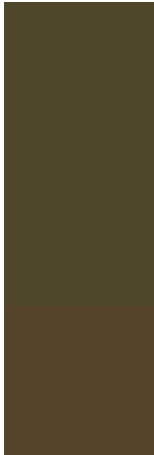
This preview shows how white text looks on a background with the YIQ color 69.6730, 13.8020,

-7.8460.

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

69.6730, 13.8020, -7.8460

Protanopia

69.6730, 13.8020, -7.8460

Deuteranopia

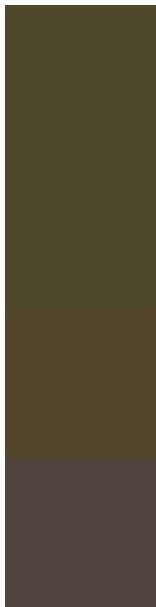
70.4180, 19.0740, -4.2700



Tritanopia

71.8700, 6.4180, 4.8340

Trichromacy



Original Color

69.6730, 13.8020, -7.8460

Protanomaly

69.6730, 13.8020, -7.8460

Deuteranomaly

70.1080, 17.0110, -5.4290

Tritanomaly

70.7900, 9.3990, 0.3670

Monochromacy



Original Color

69.6730, 13.8020, -7.8460

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

69.6430, 5.3190, -2.7850

CSS Examples

Text

The CSS property to change the color of the text to YIQ 69.6730, 13.8020, -7.8460 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(78, 71, 41)` looks like.

```
.text, #text, p{  
    color:rgb(78, 71, 41)  
}
```

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(78, 71, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 71, 41) }
```

Border

The CSS property to change the border of an element to YIQ 69.6730, 13.8020, -7.8460 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(78, 71, 41) }
```


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

```
.border{ border-color:rgb(78, 71, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 71, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 71, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 71, 41);  
box-shadow:4px 4px 4px 4px rgb(78, 71, 41)  
}
```

Background

The CSS property to change the background color of an element to YIQ 69.6730, 13.8020, -7.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 71, 41) }
```

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

```
.background{ background-color: rgb(78, 71,  
41) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor