

# Converting Colors

YIQ(70.7260, -30.3890,  
-49.5010)

Have a look what the booklet for  
YIQ(70.7260, -30.3890, -49.5010)  
contains.

<b>YIQ(70.7260, -30.3890, -49.5010)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(70.7260, -30.3890,  
-49.5010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0B6F14
RGB	11, 111, 20
RGB Percent	4%, 44%, 8%
CMY	0.9572, 0.5645, 0.9216
CMYK	0.90, 0.00, 0.82, 0.56
HSL	125°, 82%, 24%
HSV	125°, 90%, 44%
XYZ	5.9522, 11.4991, 2.5671
YIQ	70.7260, -30.3890, -49.5010

# Conversions

## Conversions Part 2

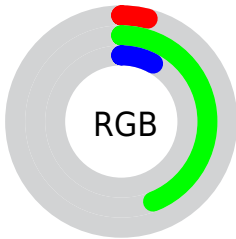
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 103, 111
Decimal	749332
CIELab	40.41, -44.59, 39.91
CIELCh	40, 59.837, 138.168
Yxy	11.4991, 0.2973, 0.5744
Android (android.graphics.Color)	4278939412 (0xFF0B6F14)
YUV	70.7260, -25.0079, -52.3797
Hunter-Lab	33.9103, -28.0115, 19.2489

# Details

The YIQ color **70.7260, -30.3890, -49.5010** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **51.2740, 30.3890, 49.5010**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **127.6840, -21.4030, -47.1550**, and **36.3940, -17.0500, -32.4260** is the 20% darker color. If you saturate the color by 10%, you get **66.2970, -33.7350, -54.9430**, and if you desaturate by 10%, it is **75.1550, -27.0430, -44.0590**.

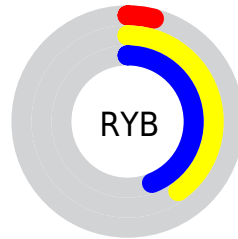
# Distribution



Red (4%)

Green (44%)

Blue (8%)



Red (4%)

Yellow (40%)

Blue (44%)

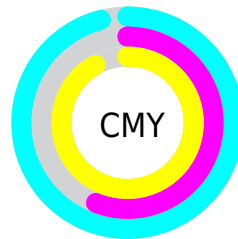


Cyan (90%)

Magenta (0%)

Yellow (82%)

Black (56%)



Cyan (96%)

Magenta (56%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 70.7260, -30.3890, -49.5010 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 70.7260, -30.3890, -49.5010 by changing the saturation by 10% instead.



■ 70.7260, -30.3890,  
-49.5010

■ 70.7260, -30.3890,  
-49.5010

255.0000, -0.0000,  
-0.0000

■ 50.4820, -23.6500,  
-44.9780

■ 127.6840,  
-21.4030, -47.1550

■ 36.3940, -17.0500,  
-32.4260

■ 154.7550,  
-20.1650, -47.5650

■ 24.0670, -11.2750,  
-21.4430

■ 183.1140,  
-19.7980, -48.7100

■ 1.7610, -0.8250,  
-1.5690

■ 210.8860,  
-19.1560, -49.3320

■ 0.0000, 0.0000,  
0.0000

■ 226.8580,  
-12.7850, -38.1370

■ 238.7210, -4.4890,

-23.2810

■ 250.5840, 3.8070,  
-8.4250

■ 70.7260, -30.3890,  
-49.5010

■ 70.7260, -30.3890,  
-49.5010

■ 66.2970, -33.7350,  
-54.9430

■ 75.1550, -27.0430,  
-44.0590

■ 79.5840, -23.6970,  
-38.6170

■ 84.0130, -20.3510,  
-33.1750

■ 88.4420, -17.0050,  
-27.7330

■ 92.8710, -13.6590,  
-22.2910

■ 97.7130, -10.0380,  
-16.3260

■ 102.1420, -6.6920,  
-10.8840

■ 106.5710, -3.3460,  
-5.4420

■ 111.0000, -0.0000,  
0.0000

# Harmonies

## Analogous

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



86.1860, 24.3980, -34.6900



70.7260, -30.3890, -49.5010



75.8270, -55.0580, -37.4420

# Triad

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



70.7260, -30.3890, -49.5010



84.6970, -91.0570, 3.7510



83.8780, 75.0020, 39.4340

# Complementary

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



70.7260, -30.3890, -49.5010



51.2740, 30.3890, 49.5010

# 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.



88.2460, 53.9550, 51.9310



70.7260, -30.3890, -49.5010



85.4280, -64.8340, 18.6060

# Square

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



70.7260, -30.3890, -49.5010



86.6570, -85.5530, -7.8970



96.8630, 9.4370, 43.7490



88.2970, 73.9990, 8.0390



# Rectangle

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



70.7260, -30.3890, -49.5010



80.9910, -66.8430, -27.6030



96.8630, 9.4370, 43.7490



83.3540, 70.9660, 46.5020

# Sweetspot

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



70.7260, -30.3890, -49.5010



129.3490, -12.0090, -19.1530



97.2080, 27.3320, -32.7960



64.3160, -7.2420, -11.9300



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



70.7260, -30.3890, -49.5010



86.5970, -44.0480, -71.7920



76.3120, -46.1180, -34.2620



53.6360, -1.9710, -2.8270



71.6940, -36.5310, -59.3390



147.4970, -74.9870, -122.3390



# Inverse Universe

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



51.2740, 30.3890, 49.5010



58.4030, 44.0480, 71.7920



45.6880, 46.1180, 34.2620



52.4780, 1.6500, 3.1380



48.3060, 36.5310, 59.3390

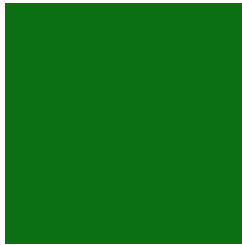


99.5030, 74.9870, 122.3390



# Previews

## White Background



This preview shows how the YIQ color 70.7260, -30.3890, -49.5010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

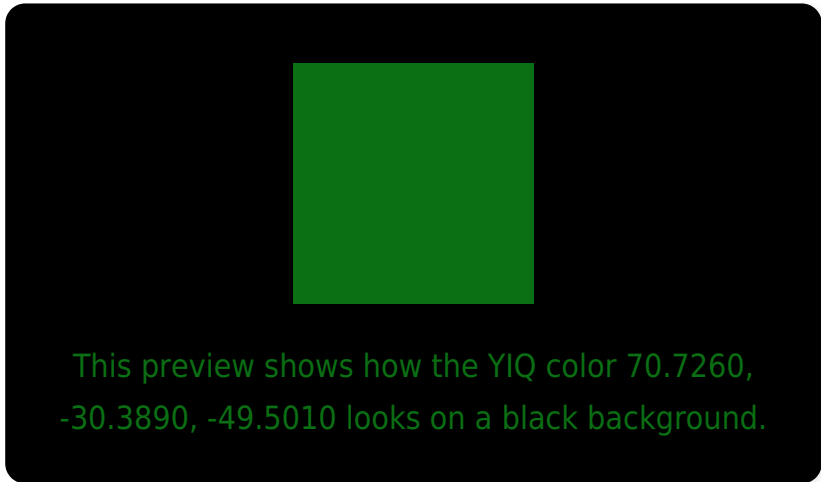
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 70.7260, -30.3890, -49.5010

## Background



This preview shows how black text looks on a background with the YIQ color 70.7260, -30.3890, -49.5010.



This preview shows how white text looks on a background with the YIQ color 70.7260, -30.3890,



# 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

70.7260, -30.3890, -49.5010

### Protanopia

89.5820, 32.5110, -22.0250

### Deuteranopia

91.9450, 36.2230, -12.2010



## Tritanopia

87.2820, -36.2650, -9.0730

# Trichromacy



## Original Color

70.7260, -30.3890, -49.5010

## Protanomaly

82.7530, 9.6800, -32.2720

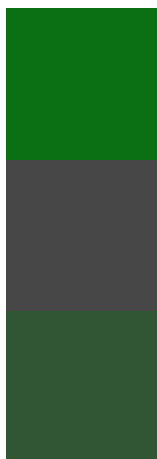
## Deuteranomaly

84.5240, 12.0630, -25.8970

## Tritanomaly

81.3940, -34.2450, -23.6610

# Monochromacy



## Original Color

70.7260, -30.3890, -49.5010

## Achromatopsia

71.0000, -0.0000, -0.0000

## Achromatomaly

71.0610, -11.1380, -18.4180

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 70.7260, -30.3890, -49.5010 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(11, 111, 20)` looks like.

```
.text, #text, p{  
    color:rgb(11, 111, 20)  
}
```

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(11, 111, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 111, 20) }
```

## Border

The CSS property to change the border of an element to YIQ 70.7260, -30.3890, -49.5010 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(11, 111, 20) }
```



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

```
.border{ border-color:rgb(11, 111, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 111, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 111, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 111, 20);  
box-shadow:4px 4px 4px 4px rgb(11, 111,  
20) }
```

# Background

The CSS property to change the background color of an element to YIQ 70.7260, -30.3890, -49.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 111, 20) }
```

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

```
.background{ background-color: rgb(11, 111,  
20) }
```

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