

# Converting Colors

YIQ(67.0770, 18.2960, -12.2000)

Have a look what the booklet for  
YIQ(67.0770, 18.2960, -12.2000)  
contains.

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# Color

**YIQ(67.0770, 18.2960,  
-12.2000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D461A
RGB	77, 70, 26
RGB Percent	30%, 27%, 10%
CMY	0.6981, 0.7255, 0.8979
CMYK	0.00, 0.09, 0.66, 0.70
HSL	52°, 49%, 20%
HSV	52°, 66%, 30%
XYZ	5.4371, 6.0323, 1.8567
YIQ	67.0770, 18.2960, -12.2000

# Conversions

## Conversions Part 2

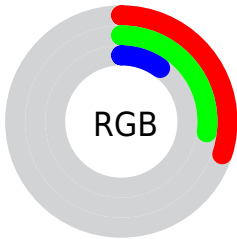
Format	Color
<a href="#">RYB</a>	<a href="#">34, 77, 26</a>
Decimal	<a href="#">5064218</a>
CIELab	<a href="#">29.49, -3.44, 26.96</a>
CIELCh	<a href="#">29, 27.178, 97.271</a>
Yxy	<a href="#">6.0323, 0.4080, 0.4527</a>
Android (android.graphics.Color)	<a href="#">4283254298 (0xFF4D461A)</a>
YUV	<a href="#">67.0770, -20.2510, 8.7025</a>
Hunter-Lab	<a href="#">24.5608, -3.4663, 12.7105</a>

# Details

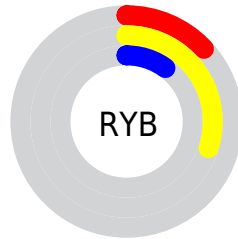
The YIQ color **67.0770, 18.2960, -12.2000** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **35.9230, -18.2960, 12.2000**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **115.6320, 21.0470, -12.4970**, and **25.1180, 11.0510, -7.5490** is the 20% darker color. If you saturate the color by 10%, you get **65.5780, 21.1390, -14.1650**, and if you desaturate by 10%, it is **68.5760, 15.4530, -10.2350**.

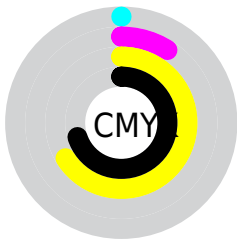
# Distribution



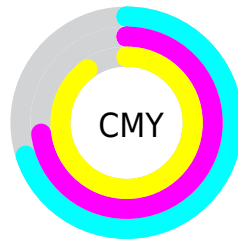
- Red (30%)
- Green (27%)
- Blue (10%)



- Red (13%)
- Yellow (30%)
- Blue (10%)



- Cyan (0%)
- Magenta (9%)
- Yellow (66%)
- Black (70%)



- Cyan (70%)
- Magenta (73%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 67.0770, 18.2960, -12.2000 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 67.0770, 18.2960, -12.2000 by changing the saturation by 10% instead.



67.0770, 18.2960,  
-12.2000

67.0770, 18.2960,  
-12.2000

255.0000, -0.0000,  
-0.0000

44.2510, 17.7460,  
-13.2460

115.6320, 21.0470,  
-12.4970

25.1180, 11.0510,  
-7.5490

141.5180, 21.3680,  
-12.8080

0.0000, 0.0000,  
0.0000

167.7030, 22.2850,  
-12.9070

194.8880, 23.2020,  
-13.0060

222.9590, 24.4400,  
-13.4160

248.2570, 17.6090,

-16.2710

■ 252.0360, 8.3460,  
-8.0860

■ 67.0770, 18.2960,  
-12.2000

■ 67.0770, 18.2960,  
-12.2000

■ 65.5780, 21.1390,  
-14.1650

■ 68.5760, 15.4530,  
-10.2350

■ 64.1930, 23.6610,  
-15.8190

■ 69.9610, 12.9310,  
-8.5810

■ 62.6940, 26.5040,  
-17.7840

■ 71.4600, 10.0880,  
-6.6160

■ 61.7650, 27.7420,  
-18.1940

■ 72.9590, 7.2450,  
-4.6510

■ 74.4580, 4.4020,  
-2.6860

■ 75.8430, 1.8800,  
-1.0320

■ 77.3420, -0.9630,  
0.9330

■ 78.8410, -3.8060,  
2.8980

■ 80.8130, -6.6030,  
4.0290

# Harmonies

## Analogous

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



68.8060, 29.6650, -3.4790



67.0770, 18.2960, -12.2000



65.0470, 0.6450, -17.2030

# Triad

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



67.0770, 18.2960, -12.2000



57.0890, -51.8990, -12.0830



71.1030, 16.5480, 19.4920

# Complementary

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



67.0770, 18.2960, -12.2000



35.9230, -18.2960, 12.2000

# 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.



71.4580, -3.6250, 16.1430



67.0770, 18.2960, -12.2000



56.9240, -55.5680, -6.1600

# Square

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



67.0770, 18.2960, -12.2000



55.3960, -45.7540, -18.8260



66.3020, -29.8490, 6.8150



70.5250, 29.7990, 16.1270



# Rectangle

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



67.0770, 18.2960, -12.2000



61.7940, -14.7600, -18.8560



66.3020, -29.8490, 6.8150



72.1670, 10.4960, 19.0400

# Sweetspot

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



67.0770, 18.2960, -12.2000



95.6600, 6.6490, -4.8630



42.1610, 27.8280, 13.3000



48.4580, 4.4020, -2.6860



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.



67.0770, 18.2960, -12.2000



84.2380, 27.7880, -19.0280



65.8040, 5.6430, -19.6770



37.5440, 1.2840, -1.2440



82.1540, 36.5920, -24.4000



184.9960, 82.6300, -54.7940



# Inverse Universe

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



35.9230, -18.2960, 12.2000



36.3490, -28.0630, 18.5050



37.1960, -5.6430, 19.6770



35.0430, -1.5590, 0.7210



19.8460, -36.5920, 24.4000

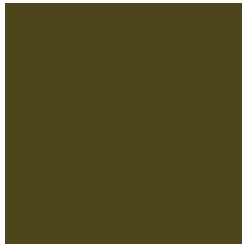


45.0040, -82.6300, 54.7940



# Previews

## White Background



This preview shows how the YIQ color 67.0770, 18.2960, -12.2000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

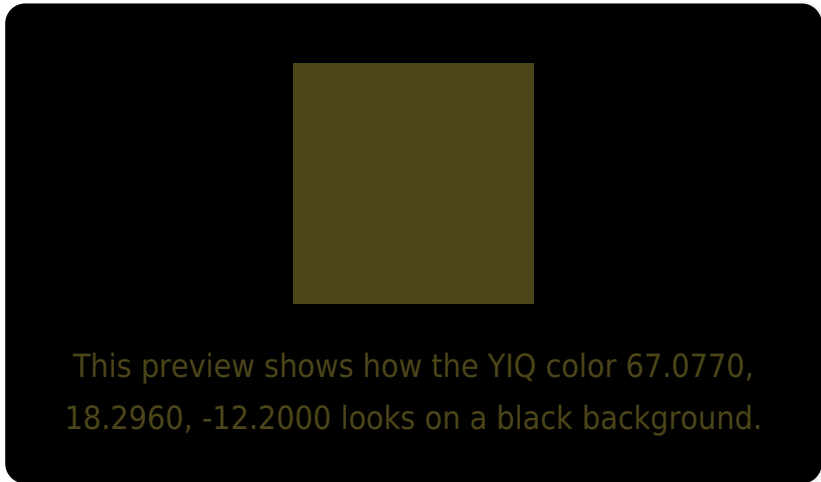
Any Text WCAG AA ✓ Pass

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

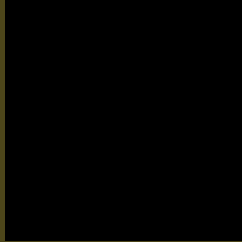
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 67.0770, 18.2960, -12.2000

## Background



This preview shows how black text looks on a background with the YIQ color 67.0770, 18.2960, -12.2000.



This preview shows how white text looks on a background with the YIQ color 67.0770, 18.2960,



# 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

67.0770, 18.2960, -12.2000

### Protanopia

67.3760, 18.8920, -11.9880

### Deuteranopia

67.8330, 25.0350, -7.6770



## Tritanopia

71.0550, 7.3350, 4.7350

# Trichromacy



## Original Color

67.0770, 18.2960, -12.2000

## Protanomaly

67.3760, 18.8920, -11.9880

## Deuteranomaly

67.2240, 22.3760, -9.0480

## Tritanomaly

69.5190, 11.6000, -0.9760

# Monochromacy



## Original Color

67.0770, 18.2960, -12.2000

## Achromatopsia

67.0000, -0.0000, -0.0000

## Achromatomaly

67.0730, 6.9240, -4.3400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 67.0770, 18.2960, -12.2000 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(77, 70, 26)` looks like.

```
.text, #text, p{  
    color:rgb(77, 70, 26)  
}
```

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(77, 70, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 70, 26) }
```

## Border

The CSS property to change the border of an element to YIQ 67.0770, 18.2960, -12.2000 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(77, 70, 26) }
```



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

```
.border{ border-color:rgb(77, 70, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 70, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 70, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 70, 26);  
box-shadow:4px 4px 4px 4px rgb(77, 70, 26)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 67.0770, 18.2960, -12.2000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 70, 26) }
```

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

```
.background{ background-color: rgb(77, 70,  
26) }
```

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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