

# Converting Colors

YIQ(76.3730, -21.7250,  
-41.3170)

Have a look what the booklet for  
YIQ(76.3730, -21.7250, -41.3170)  
contains.

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# Color

**YIQ(76.3730, -21.7250,  
-41.3170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E6D1E
RGB	30, 109, 30
RGB Percent	12%, 43%, 12%
CMY	0.8826, 0.5724, 0.8824
CMYK	0.73, 0.00, 0.72, 0.57
HSL	120°, 57%, 27%
HSV	120°, 73%, 43%
XYZ	6.2401, 11.3131, 3.0826
YIQ	76.3730, -21.7250, -41.3170

# Conversions

## Conversions Part 2

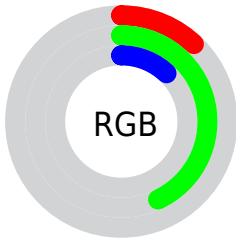
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 109, 109
Decimal	1994014
CIE <sub>Lab</sub>	40.10, -40.12, 35.77
CIE <sub>LCh</sub>	40, 53.750, 138.275
Yxy	11.3131, 0.3024, 0.5482
Android (android.graphics.Color)	4280184094 (0xFF1E6D1E)
YUV	76.3730, -22.8619, -40.6691
Hunter-Lab	33.6350, -25.7453, 18.1106

# Details

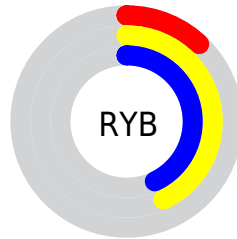
The YIQ color **76.3730, -21.7250, -41.3170** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **62.6270, 21.7250, 41.3170**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **129.5260, -17.7820, -41.1900**, and **35.2200, -16.5000, -31.3800** is the 20% darker color. If you saturate the color by 10%, you get **71.8300, -24.7500, -47.0700**, and if you desaturate by 10%, it is **80.9160, -18.7000, -35.5640**.

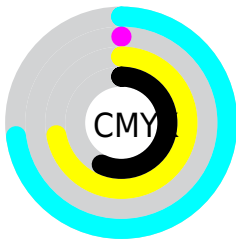
# Distribution



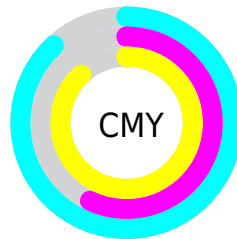
- Red (12%)
- Green (43%)
- Blue (12%)



- Red (12%)
- Yellow (43%)
- Blue (43%)



- Cyan (73%)
- Magenta (0%)
- Yellow (72%)
- Black (57%)



- Cyan (88%)
- Magenta (57%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.3730, -21.7250, -41.3170 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 76.3730, -21.7250, -41.3170 by changing the saturation by 10% instead.



■ 76.3730, -21.7250,  
-41.3170

■ 76.3730, -21.7250,  
-41.3170

■ 255.0000, -0.0000,  
-0.0000

■ 49.6500, -24.0630,  
-42.9990

■ 129.5260,  
-17.7820, -41.1900

■ 35.2200, -16.5000,  
-31.3800

■ 156.8850,  
-17.4150, -42.3350

■ 22.8930, -10.7250,  
-20.3970

■ 184.3580,  
-17.3690, -43.1690

■ 0.5870, -0.2750,  
-0.5230

■ 212.7170,  
-17.0020, -44.3140

■ 0.0000, 0.0000,  
0.0000

■ 229.4500,  
-11.4560, -34.6880

■ 241.3130, -3.1600,

-19.8320

253.2900, 4.8150,  
-4.6650

76.3730, -21.7250,  
-41.3170

76.3730, -21.7250,  
-41.3170

71.8300, -24.7500,  
-47.0700

80.9160, -18.7000,  
-35.5640

67.2870, -27.7750,  
-52.8230

85.4590, -15.6750,  
-29.8110

63.9830, -29.9750,  
-57.0070

90.0020, -12.6500,  
-24.0580

94.5450, -9.6250,  
-18.3050

98.6750, -6.8750,  
-13.0750

■ 103.2180, -3.8500,  
-7.3220

■ 107.7610, -0.8250,  
-1.5690

■ 112.3040, 2.2000,  
4.1840

■ 116.8470, 5.2250,  
9.9370

# Harmonies

## Analogous

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



85.8980, 25.2690, -33.9550



76.3730, -21.7250, -41.3170



74.8810, -55.1500, -35.7740

# Triad

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



76.3730, -21.7250, -41.3170



82.2690, -86.9760, 1.3760



87.5840, 66.8420, 33.1300

# Complementary

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



76.3730, -21.7250, -41.3170



62.6270, 21.7250, 41.3170

# 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.



90.7950, 47.6750, 44.5950



76.3730, -21.7250, -41.3170



88.4850, -51.8130, 19.4110

# Square

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



76.3730, -21.7250, -41.3170



83.9840, -82.1600, -8.8160



96.6300, 8.4750, 39.1550



89.8770, 66.4340, 7.4740



# Rectangle

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



76.3730, -21.7250, -41.3170



79.0020, -65.3760, -26.6560



96.6300, 8.4750, 39.1550



88.0060, 62.8980, 38.5300

# Sweetspot

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



76.3730, -21.7250, -41.3170



129.7840, -8.8000, -16.7360



99.9940, 25.3590, -24.5690



63.5660, -4.9500, -9.4140



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



76.3730, -21.7250, -41.3170



91.7880, -34.1000, -64.8520



80.8190, -34.2440, -29.1880



51.5220, -1.6500, -3.1380



68.6790, -32.1750, -61.1910



143.8150, -67.3750, -128.1350



# Inverse Universe

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



62.6270, 21.7250, 41.3170



70.2120, 34.1000, 64.8520



58.0670, 34.5650, 28.8770



50.4780, 1.6500, 3.1380



48.3210, 32.1750, 61.1910



101.1850, 67.3750, 128.1350



# Previews

## White Background



This preview shows how the YIQ color 76.3730, -21.7250, -41.3170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

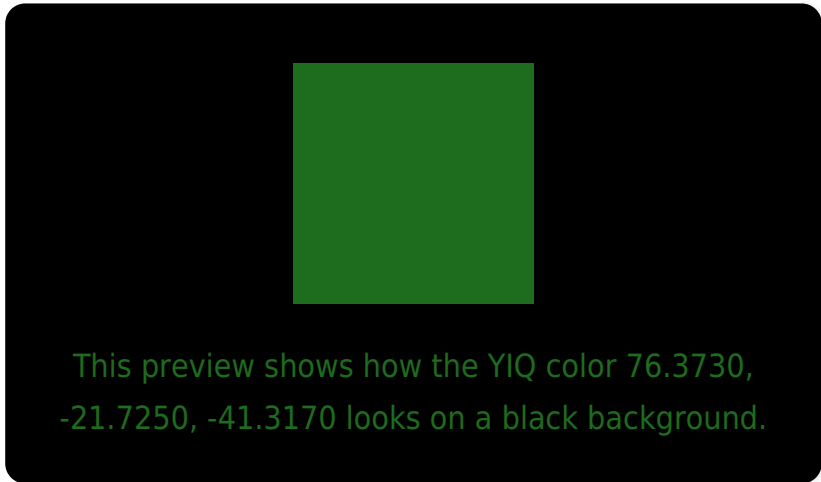
Any Text WCAG AA ✓ Pass

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 76.3730, -21.7250, -41.3170

## Background



This preview shows how black text looks on a background with the YIQ color 76.3730, -21.7250, -41.3170.



This preview shows how white text looks on a background with the YIQ color 76.3730, -21.7250,

-41.3170.

# 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

76.3730, -21.7250, -41.3170

### Protanopia

89.8360, 28.9800, -18.6040

### Deuteranopia

91.4440, 33.3800, -10.2360



## Tritanopia

87.9620, -32.3680, -8.1120

# Trichromacy



## Original Color

76.3730, -21.7250, -41.3170

## Protanomaly

84.5130, 10.5960, -26.8440

## Deuteranomaly

85.6430, 13.3460, -21.6140

## Tritanomaly

84.0250, -28.6520, -20.3960

# Monochromacy



## Original Color

76.3730, -21.7250, -41.3170

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

76.0230, -7.9750, -15.1670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.3730, -21.7250, -41.3170 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(30, 109, 30)` looks like.

```
.text, #text, p{  
    color:rgb(30, 109, 30)  
}
```

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(30, 109, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 109, 30) }
```

## Border

The CSS property to change the border of an element to YIQ 76.3730, -21.7250, -41.3170 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(30, 109, 30) }
```



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

```
.border{ border-color:rgb(30, 109, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 109, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 109, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 109, 30);  
box-shadow:4px 4px 4px 4px rgb(30, 109,  
30) }
```

# Background

The CSS property to change the background color of an element to YIQ 76.3730, -21.7250, -41.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 109, 30) }
```

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

```
.background{ background-color: rgb(30, 109,  
30) }
```

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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