

# Converting Colors

YIQ(43.3750, -14.8980,  
-16.3540)

Have a look what the booklet for  
YIQ(43.3750, -14.8980, -16.3540)  
contains.

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# Color

**YIQ(43.3750, -14.8980,  
-16.3540)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	133A20
RGB	19, 58, 32
RGB Percent	7%, 23%, 13%
CMY	0.9256, 0.7725, 0.8745
CMYK	0.67, 0.00, 0.45, 0.77
HSL	140°, 51%, 15%
HSV	140°, 67%, 23%
XYZ	2.0425, 3.2702, 1.8893
YIQ	43.3750, -14.8980, -16.3540

# Conversions

## Conversions Part 2

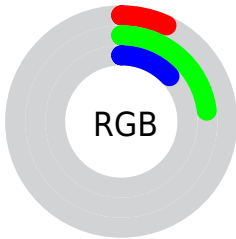
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 48, 58
Decimal	1260064
CIE <sub>Lab</sub>	21.09, -20.88, 12.18
CIE <sub>LCh</sub>	21, 24.175, 149.750
Y <sub>xy</sub>	3.2702, 0.2836, 0.4541
Android (android.graphics.Color)	4279450144 (0xFF133A20)
Y <sub>UV</sub>	43.3750, -5.6079, -21.3769
Hunter-Lab	18.0836, -11.4853, 6.4640

# Details

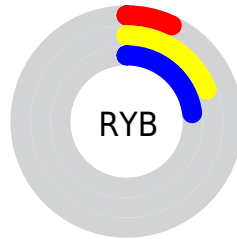
The YIQ color **43.3750, -14.8980, -16.3540** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **33.6250, 14.8980, 16.3540**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.6200, -14.2100, -17.8100**, and **4.1090, -1.9250, -3.6610** is the 20% darker color. If you saturate the color by 10%, you get **41.1250, -17.1900, -18.8700**, and if you desaturate by 10%, it is **45.6250, -12.6060, -13.8380**.

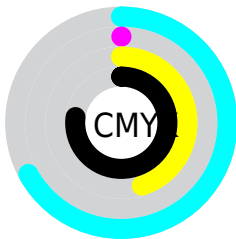
# Distribution



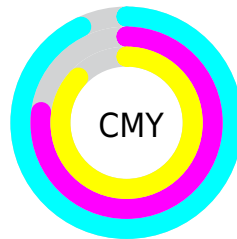
- Red (7%)
- Green (23%)
- Blue (13%)



- Red (7%)
- Yellow (19%)
- Blue (23%)



- Cyan (67%)
- Magenta (0%)
- Yellow (45%)
- Black (77%)



- Cyan (93%)
- Magenta (77%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 43.3750, -14.8980, -16.3540 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 43.3750, -14.8980, -16.3540 by changing the saturation by 10% instead.



■ 43.3750, -14.8980,  
-16.3540

■ 43.3750, -14.8980,  
-16.3540

■ 254.4020, -1.1920,  
-0.4240

■ 22.2720, -13.1100,  
-15.7180

■ 90.6200, -14.2100,  
-17.8100

■ 4.1090, -1.9250,  
-3.6610

■ 115.2070,  
-14.4850, -18.3330

■ 0.0000, 0.0000,  
0.0000


■ 141.0930,  
-14.1640, -18.6440


■ 167.6800,  
-14.4390, -19.1670


■ 194.9680,  
-15.3100, -19.9020


■ 222.8540,


-14.9890, -20.2130


 243.3370,  
-11.7350, -13.1030


 43.3750, -14.8980,  
-16.3540


 43.3750, -14.8980,  
-16.3540


 41.1250, -17.1900,  
-18.8700


 45.6250, -12.6060,  
-13.8380


 38.8750, -19.4820,  
-21.3860


 47.8750, -10.3140,  
-11.3220

 36.9240, -21.1780,  
-23.6900

 49.8260, -8.6180,  
-9.0180

 36.2120, -22.0490,  
-24.4250

 51.9620, -6.0050,  
-6.8130

 54.2120, -3.7130,  
-4.2970

■ 56.4620, -1.4210,  
-1.7810

■ 58.7120, 0.8710,  
0.7350

■ 60.6630, 2.5670,  
3.0390

■ 62.9130, 4.8590,  
5.5550

# Harmonies

## Analogous

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



47.1940, 4.7250, -14.0510



43.3750, -14.8980, -16.3540



40.3330, -32.2750, -15.3070

# Triad

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



43.3750, -14.8980, -16.3540



44.5030, -35.0290, 1.5710



50.4120, 28.3790, 8.8190

# Complementary

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



43.3750, -14.8980, -16.3540



33.6250, 14.8980, 16.3540

# 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.



51.2900, 23.1510, 15.4630



43.3750, -14.8980, -16.3540



51.5990, -8.5760, 12.2560

# Square

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



43.3750, -14.8980, -16.3540



42.6930, -41.6760, -4.6200



52.2870, 10.0380, 16.3260



49.9460, 26.4550, -0.3690



# Rectangle

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



43.3750, -14.8980, -16.3540



42.2880, -36.4020, -12.0980



52.2870, 10.0380, 16.3260



50.8080, 27.3240, 11.4200

# Sweetspot

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



43.3750, -14.8980, -16.3540



70.9620, -6.0050, -6.8130



49.6670, 4.7710, -14.8850



34.6250, -3.4380, -3.7740



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



43.3750, -14.8980, -16.3540



53.6740, -23.4700, -26.2060



45.6550, -21.3180, -10.1340



26.8750, -1.1460, -1.2580



57.5380, -35.2510, -38.4750



136.8750, -83.6580, -91.8340



# Inverse Universe

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



33.6250, 14.8980, 16.3540



38.2120, 23.7910, 25.8950



31.3450, 21.3180, 10.1340



26.1250, 1.1460, 1.2580



34.4620, 35.2510, 38.4750

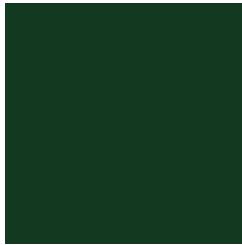


82.1250, 83.6580, 91.8340



# Previews

## White Background



This preview shows how the YIQ color 43.3750, -14.8980, -16.3540 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

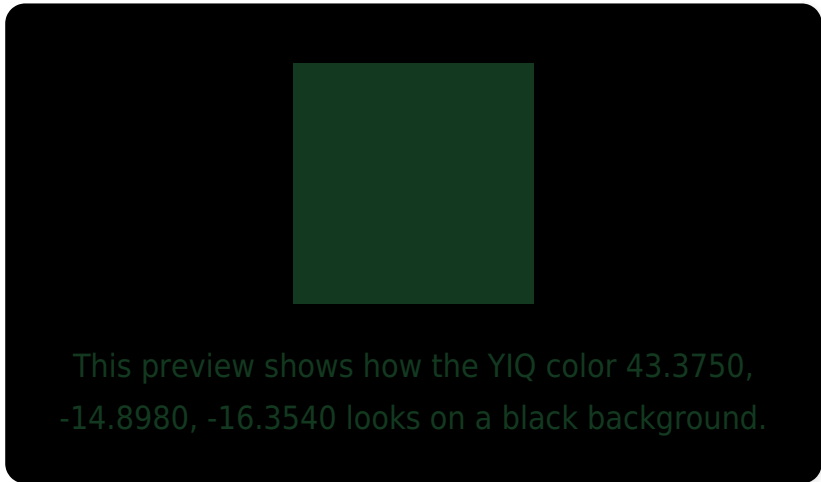
Any Text WCAG AA ✓ Pass

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

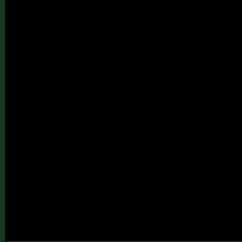
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 43.3750, -14.8980, -16.3540

## Background



This preview shows how black text looks on a background with the YIQ color 43.3750, -14.8980, -16.3540.



This preview shows how white text looks on a background with the YIQ color 43.3750, -14.8980,

-16.3540.

# 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

43.3750, -14.8980, -16.3540

### Protanopia

49.9870, 10.0420, -5.7820

### Deuteranopia

50.8780, 11.9670, -2.1210



## Tritanopia

47.3830, -17.3760, -4.4800

# Trichromacy



## Original Color

43.3750, -14.8980, -16.3540

## Protanomaly

47.9750, 1.1480, -9.7960

## Deuteranomaly

48.0400, 2.5230, -7.1810

## Tritanomaly

45.9330, -16.2290, -8.7490

# Monochromacy



## Original Color

43.3750, -14.8980, -16.3540

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

42.7880, -5.4550, -5.7670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 43.3750, -14.8980, -16.3540 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(19, 58, 32)` looks like.

```
.text, #text, p{  
    color:rgb(19, 58, 32)  
}
```

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(19, 58, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 58, 32) }
```

## Border

The CSS property to change the border of an element to YIQ 43.3750, -14.8980, -16.3540 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(19, 58, 32) }
```



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

```
.border{ border-color:rgb(19, 58, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 58, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 58, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 58, 32);  
box-shadow:4px 4px 4px 4px rgb(19, 58, 32)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 43.3750, -14.8980, -16.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 58, 32) }
```

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

```
.background{ background-color: rgb(19, 58,  
32) }
```

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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