

# Converting Colors

YIQ(43.2700, 7.5670, -10.4890)

Have a look what the booklet for  
YIQ(43.2700, 7.5670, -10.4890)  
contains.

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# Color

**YIQ(43.2700, 7.5670,  
-10.4890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C3011
RGB	44, 48, 17
RGB Percent	17%, 19%, 7%
CMY	0.8275, 0.8118, 0.9333
CMYK	0.08, 0.00, 0.65, 0.81
HSL	68°, 48%, 13%
HSV	68°, 65%, 19%
XYZ	2.1967, 2.6899, 0.9343
YIQ	43.2700, 7.5670, -10.4890

# Conversions

## Conversions Part 2

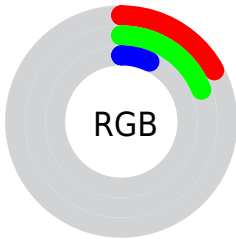
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	17, 48, 21
Decimal	2895889
CIE Lab	18.76, -7.39, 18.97
CIE LCh	19, 20.363, 111.276
Yxy	2.6899, 0.3774, 0.4621
Android (android.graphics.Color)	4281085969 (0xFF2C3011)
YUV	43.2700, -12.9511, 0.6402
Hunter-Lab	16.4008, -4.7934, 8.1030

# Details

The YIQ color **43.2700, 7.5670, -10.4890** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **21.7300, -7.5670, 10.4890**, and the grayscale version is **43.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **89.2270, 9.1260, -11.2100**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **42.4010, 8.5760, -12.2560**, and if you desaturate by 10%, it is **44.1390, 6.5580, -8.7220**.

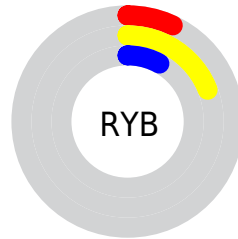
# Distribution



Red (17%)

Green (19%)

Blue (7%)



Red (7%)

Yellow (19%)

Blue (8%)

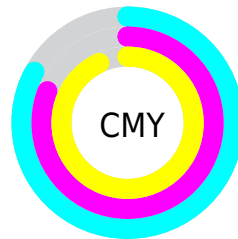


Cyan (8%)

Magenta (0%)

Yellow (65%)

Black (81%)



Cyan (83%)

Magenta (81%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 43.2700, 7.5670, -10.4890 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 43.2700, 7.5670, -10.4890 by changing the saturation by 10% instead.



■ 43.2700, 7.5670,  
-10.4890

■ 43.2700, 7.5670,  
-10.4890

■ 253.6320, 3.8520,  
-3.7320

■ 23.0250, 6.8790,  
-9.0330

■ 89.2270, 9.1260,  
-11.2100

■ 0.0000, 0.0000,  
0.0000

■ 113.7000, 9.1720,  
-12.0440

■ 138.9990, 9.7680,  
-11.8320

■ 165.7710, 10.4100,  
-12.4540

■ 192.7710, 10.4100,  
-12.4540

■ 220.6570, 10.7310,

-12.7650

■ 249.4290, 11.3730,  
-13.3870

■ 43.2700, 7.5670,  
-10.4890

■ 43.2700, 7.5670,  
-10.4890

■ 42.4010, 8.5760,  
-12.2560

■ 44.1390, 6.5580,  
-8.7220

■ 41.8310, 10.1810,  
-13.8110

■ 44.7090, 4.9530,  
-7.1670

■ 41.0760, 10.8690,  
-15.2670

■ 45.4640, 4.2650,  
-5.7110

■ 40.7340, 11.8320,  
-16.2000

■ 46.0340, 2.6600,  
-4.1560

■ 46.9030, 1.6510,  
-2.3890

■ 47.7720, 0.6420,  
-0.6220

■ 48.3420, -0.9630,  
0.9330

■ 49.0970, -1.6510,  
2.3890

■ 49.9660, -2.6600,  
4.1560

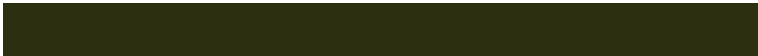
# Harmonies

## Analogous

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



44.4070, 17.6070, -5.2170



43.2700, 7.5670, -10.4890



41.0880, -6.6000, -12.5520

# Triad

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



43.2700, 7.5670, -10.4890



38.2760, -36.1280, -6.0480



47.0010, 16.5950, 13.1310

# Complementary

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



43.2700, 7.5670, -10.4890



21.7300, -7.5670, 10.4890

# 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.



47.5420, 4.7660, 12.7500



43.2700, 7.5670, -10.4890



38.5200, -33.6990, -0.5070

# Square

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



43.2700, 7.5670, -10.4890



37.4950, -32.5510, -10.3030



45.5230, -11.4180, 8.6940



45.8890, 22.6020, 8.8900



# Rectangle

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



43.2700, 7.5670, -10.4890



37.6180, -19.8960, -13.8800



45.5230, -11.4180, 8.6940



47.1470, 13.2480, 13.2160

# Sweetspot

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



43.2700, 7.5670, -10.4890



59.4470, 2.9350, -3.6330



28.6170, 17.3760, 4.4800



29.9030, 1.6510, -2.3890



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000



# Same Dimension

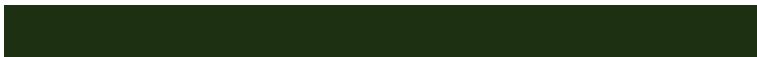
The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.2700, 7.5670, -10.4890



53.8480, 11.5110, -15.8890



38.7850, -1.3730, -13.6690



22.7720, 0.6420, -0.6220



73.4940, 20.7750, -29.6010



181.2320, 52.0060, -72.4900



# Inverse Universe

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



21.7300, -7.5670, 10.4890



21.1520, -11.5110, 15.8890



26.2150, 1.3730, 13.6690



21.2280, -0.6420, 0.6220



13.2070, -21.3710, 29.3890

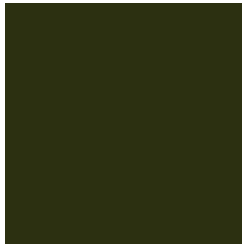


32.7680, -52.0060, 72.4900



# Previews

## White Background



This preview shows how the YIQ color 43.2700, 7.5670, -10.4890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

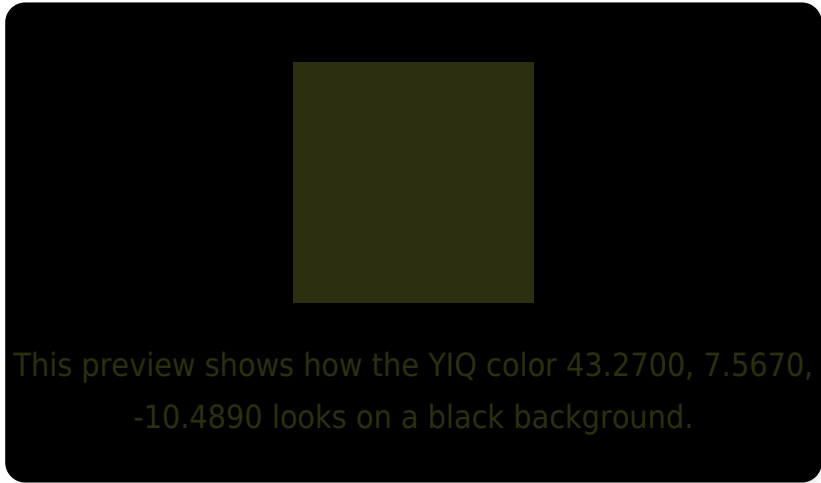
Any Text WCAG AA ✓ Pass

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

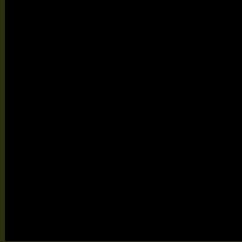
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 43.2700, 7.5670, -10.4890**

## **Background**



This preview shows how black text looks on a background with the YIQ color 43.2700, 7.5670, -10.4890.



This preview shows how white text looks on a background with the YIQ color 43.2700, 7.5670,

-10.4890.

# 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

43.2700, 7.5670, -10.4890

### Protanopia

44.0750, 12.6100, -8.2700

### Deuteranopia

44.3360, 16.3690, -4.8070



## Tritanopia

45.9400, 0.2290, 1.3570

# Trichromacy



## Original Color

43.2700, 7.5670, -10.4890

## Protanomaly

43.7650, 10.5470, -9.4290

## Deuteranomaly

44.0150, 12.8390, -6.9130

## Tritanomaly

44.9740, 2.8890, -2.7990

# Monochromacy



## Original Color

43.2700, 7.5670, -10.4890

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

43.1480, 2.3390, -3.8450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 43.2700, 7.5670, -10.4890 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(44, 48, 17)` looks like.

```
.text, #text, p{  
    color:rgb(44, 48, 17)  
}
```

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(44, 48, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 48, 17) }
```

## Border

The CSS property to change the border of an element to YIQ 43.2700, 7.5670, -10.4890 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(44, 48, 17) }
```



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

```
.border{ border-color:rgb(44, 48, 17) }
```

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

Here you see how a box with a 4 pixel rgb(44, 48, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 48, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 48, 17);  
box-shadow:4px 4px 4px 4px rgb(44, 48, 17)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 43.2700, 7.5670, -10.4890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 48, 17) }
```

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

```
.background{ background-color: rgb(44, 48,  
17) }
```

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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