

# Converting Colors

YIQ(27.4430, 8.7580, -4.5380)

Have a look what the booklet for  
YIQ(27.4430, 8.7580, -4.5380)  
contains.

<b>YIQ(27.4430, 8.7580, -4.5380)</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(27.4430, 8.7580,  
-4.5380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	211C0A
RGB	33, 28, 10
RGB Percent	13%, 11%, 4%
CMY	0.8706, 0.8902, 0.9607
CMYK	0.00, 0.15, 0.70, 0.87
HSL	47°, 53%, 8%
HSV	47°, 70%, 13%
XYZ	1.0973, 1.1757, 0.4566
YIQ	27.4430, 8.7580, -4.5380

# Conversions

## Conversions Part 2

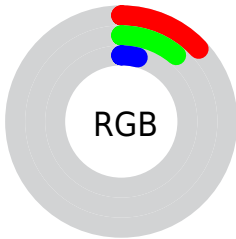
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 33, 10
Decimal	2169866
CIELab	10.38, -0.69, 11.36
CIELCh	10, 11.381, 93.470
Yxy	1.1757, 0.4020, 0.4307
Android (android.graphics.Color)	4280359946 (0xFF211C0A)
YUV	27.4430, -8.5994, 4.8735
Hunter-Lab	10.8429, -0.9115, 5.0932

# Details

The YIQ color **27.4430, 8.7580, -4.5380** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **15.5570, -8.7580, 4.5380**, and the grayscale version is **28.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **70.8560, 9.0330, -4.0150**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **26.5140, 9.9960, -4.9480**, and if you desaturate by 10%, it is **28.3720, 7.5200, -4.1280**.

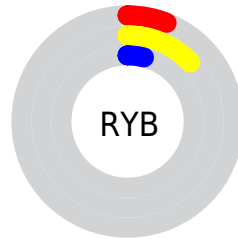
# Distribution



Red (13%)

Green (11%)

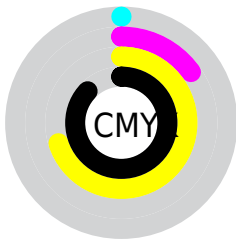
Blue (4%)



Red (6%)

Yellow (13%)

Blue (4%)

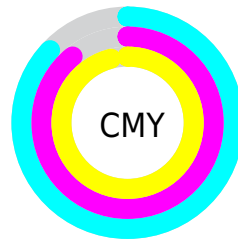


Cyan (0%)

Magenta (15%)

Yellow (70%)

Black (87%)



Cyan (87%)

Magenta (89%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 27.4430, 8.7580, -4.5380 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 27.4430, 8.7580, -4.5380 by changing the saturation by 10% instead.



■ 27.4430, 8.7580,  
-4.5380

■ 27.4430, 8.7580,  
-4.5380

■ 252.6060, 6.7410,  
-6.5310

■ 1.1740, -0.5500,  
-1.0460

■ 70.8560, 9.0330,  
-4.0150

■ 0.0000, 0.0000,  
0.0000

■ 94.7420, 9.3540,  
-4.3260

■ 119.9270, 10.2710,  
-4.4250

■ 145.2260, 10.8670,  
-4.2130

■ 171.8130, 10.5920,  
-4.7360

■ 198.9980, 11.5090,

-4.8350

■ 226.9980, 11.5090,  
-4.8350

■ 27.4430, 8.7580,  
-4.5380

■ 27.4430, 8.7580,  
-4.5380

■ 26.5140, 9.9960,  
-4.9480

■ 28.3720, 7.5200,  
-4.1280

■ 26.0580, 11.2800,  
-6.1920

■ 28.8280, 6.2360,  
-2.8840

■ 25.1290, 12.5180,  
-6.6020

■ 29.7570, 4.9980,  
-2.4740

■ 30.6860, 3.7600,  
-2.0640

■ 31.7290, 2.2010,  
-1.3430

■ 32.0710, 1.2380,  
-0.4100

■ 33.0000, -0.0000,  
-0.0000

■ 33.9290, -1.2380,  
0.4100

■ 34.3850, -2.5220,  
1.6540

# Harmonies

## Analogous

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



27.8180, 12.1960, -0.7640



27.4430, 8.7580, -4.5380



26.6810, 2.1560, -6.0360

# Triad

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



27.4430, 8.7580, -4.5380



23.1870, -19.7600, -5.3280



29.1520, 5.6840, 7.1240

# Complementary

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



27.4430, 8.7580, -4.5380



15.5570, -8.7580, 4.5380

# 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.



28.9060, -2.4310, 5.5130



27.4430, 8.7580, -4.5380



24.7790, -18.4310, -1.8790

# Square

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



27.4430, 8.7580, -4.5380



23.5850, -15.1290, -6.6570



27.6060, -10.4540, 2.2340



28.9630, 10.5900, 6.3180

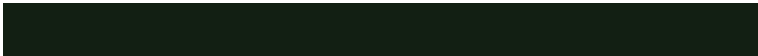


# Rectangle

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



27.4430, 8.7580, -4.5380



25.7450, -3.8960, -6.4880



27.6060, -10.4540, 2.2340



29.0700, 2.9790, 6.5870

# Sweetspot

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



27.4430, 8.7580, -4.5380



40.8000, 3.4390, -1.7530



17.4470, 12.1030, 6.4310



21.7290, 2.2010, -1.3430



150.0000, -0.0000, -0.0000



23.0000, 0.0000, -0.0000



# Same Dimension

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



27.4430, 8.7580, -4.5380



34.2000, 13.7560, -7.0120



28.5840, 3.8070, -8.4250



14.8860, 0.3210, -0.3110



60.0150, 30.0340, -15.6780



156.9870, 78.8220, -40.8420



# Inverse Universe

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



15.5570, -8.7580, 4.5380



15.8000, -13.7560, 7.0120



14.4160, -3.8070, 8.4250



14.1140, -0.3210, 0.3110



18.9850, -30.0340, 15.6780

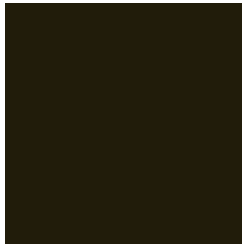


50.0130, -78.8220, 40.8420



# Previews

## White Background



This preview shows how the YIQ color 27.4430, 8.7580, -4.5380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

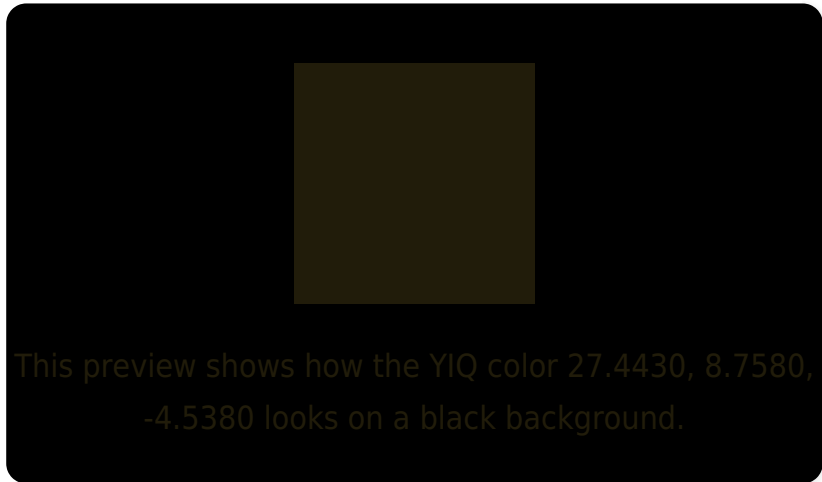
Any Text WCAG AA ✓ Pass

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

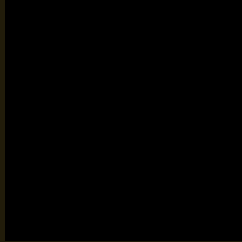
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 27.4430, 8.7580, -4.5380**

## **Background**



This preview shows how black text looks on a background with the YIQ color 27.4430, 8.7580, -4.5380.



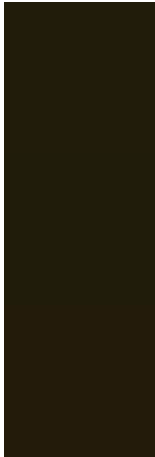
This preview shows how white text looks on a background with the YIQ color 27.4430, 8.7580,

-4.5380.

# 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

27.4430, 8.7580, -4.5380

### Protanopia

27.1440, 8.1620, -4.7500

### Deuteranopia

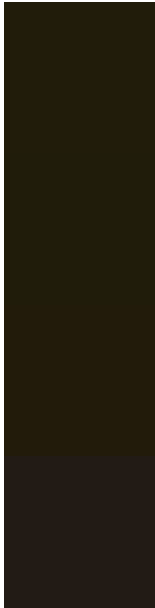
27.4540, 10.2250, -3.5910



## Tritanopia

28.6200, 4.1260, 2.3180

# Trichromacy



## Original Color

27.4430, 8.7580, -4.5380

## Protanomaly

27.1440, 8.1620, -4.7500

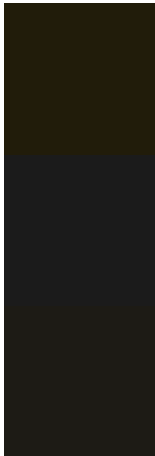
## Deuteranomaly

27.1550, 9.6290, -3.8030

## Tritanomaly

28.4090, 6.0980, -0.3820

# Monochromacy



## Original Color

27.4430, 8.7580, -4.5380

## Achromatopsia

27.0000, -0.0000, 0.0000

## Achromatomaly

26.9140, 3.1180, -1.4420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 27.4430, 8.7580, -4.5380 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(33, 28, 10)` looks like.

```
.text, #text, p{  
    color:rgb(33, 28, 10)  
}
```

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(33, 28, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 28, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 27.4430, 8.7580, -4.5380 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(33, 28, 10) }
```



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

```
.border{ border-color:rgb(33, 28, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 28, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 28, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 28, 10);  
box-shadow:4px 4px 4px 4px rgb(33, 28, 10)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 27.4430, 8.7580, -4.5380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 28, 10) }
```

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

```
.background{ background-color: rgb(33, 28,  
10) }
```

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