

# Converting Colors

YIQ(34.2970, 30.4410, 15.5050)

Have a look what the booklet for  
YIQ(34.2970, 30.4410, 15.5050)  
contains.

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# Color

**YIQ(34.2970, 30.4410,  
15.5050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49101B
RGB	73, 16, 27
RGB Percent	29%, 6%, 11%
CMY	0.7136, 0.9373, 0.8940
CMYK	0.00, 0.78, 0.63, 0.71
HSL	348°, 64%, 17%
HSV	348°, 78%, 29%
XYZ	3.1335, 1.8670, 1.2339
YIQ	34.2970, 30.4410, 15.5050

# Conversions

## Conversions Part 2

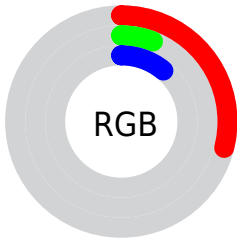
Format	Color
<a href="#">RYB</a>	<a href="#">73, 16, 27</a>
Decimal	<a href="#">4788251</a>
CIELab	<a href="#">14.77, 27.68, 8.13</a>
CIELCh	<a href="#">15, 28.852, 16.377</a>
Yxy	<a href="#">1.8670, 0.5026, 0.2995</a>
Android (android.graphics.Color)	<a href="#">4282978331 (0xFF49101B)</a>
YUV	<a href="#">34.2970, -3.5974, 33.9425</a>
Hunter-Lab	<a href="#">13.6639, 17.0230, 4.2108</a>




# Details

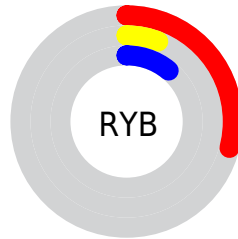
The YIQ color **34.2970, 30.4410, 15.5050** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **54.7030, -30.4410, -15.5050**, and the grayscale version is **34.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **82.3360, 34.7050, 15.3210**, and **3.8870, 7.7480, 2.7560** is the 20% darker color. If you saturate the color by 10%, you get **29.5040, 34.2920, 17.3000**, and if you desaturate by 10%, it is **39.0900, 26.5900, 13.7100**.

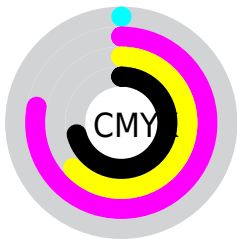
# Distribution







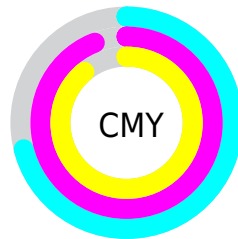
-  Red (29%)
-  Green (6%)
-  Blue (11%)






-  Red (29%)
-  Yellow (6%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (78%)
-  Yellow (63%)
-  Black (71%)




-  Cyan (71%)
-  Magenta (94%)
-  Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 34.2970, 30.4410, 15.5050 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 34.2970, 30.4410, 15.5050 by changing the saturation by 10% instead.





 34.2970, 30.4410,  
15.5050


 34.2970, 30.4410,  
15.5050

 251.3640, 1.9710,  
2.8270


 14.9500, 29.8000,  
10.6000


 82.3360, 34.7050,  
15.3210

 3.8870, 7.7480,  
2.7560

 107.5320, 37.0890,  
16.1690

 0.0000, 0.0000,  
0.0000


 133.0160, 38.6020,  
16.2820


 159.9130, 40.3900,  
16.9180


 187.3970, 41.9030,  
17.0310


 211.4070, 35.9430,


14.9110


 231.0350, 19.2550,  
8.9750


 34.2970, 30.4410,  
15.5050


 34.2970, 30.4410,  
15.5050


 29.5040, 34.2920,  
17.3000


 39.0900, 26.5900,  
13.7100


 24.1240, 38.4180,  
19.6180

 44.4700, 22.4640,  
11.3920

 23.4230, 39.0140,  
19.8300

 49.2630, 18.6130,  
9.5970

 54.0560, 14.7620,  
7.8020

 58.7350, 11.2320,  
5.6960

■ 64.1150, 7.1060,  
3.3780

■ 68.9080, 3.2550,  
1.5830

■ 73.7010, -0.5960,  
-0.2120

■ 79.0810, -4.7220,  
-2.5300

# Harmonies

## Analogous

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



35.9680, 21.3620, 20.3540



34.2970, 30.4410, 15.5050



34.8760, 32.6440, 3.1080

# Triad

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



34.2970, 30.4410, 15.5050



29.7580, -5.9110, -19.5350



33.4320, -36.2670, 1.9810

# Complementary

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



34.2970, 30.4410, 15.5050



54.7030, -30.4410, -15.5050

# 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.



33.9390, -33.5610, -3.0090



34.2970, 30.4410, 15.5050



30.0800, -21.3170, -15.6610

# Square

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



34.2970, 30.4410, 15.5050



34.5430, 11.0520, -13.0760



32.4740, -28.0580, -9.1300



33.9820, -25.9520, 7.7760



# Rectangle

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



34.2970, 30.4410, 15.5050



35.5500, 27.5100, -2.9700



32.4740, -28.0580, -9.1300



34.2640, -35.8540, 0.0020

# Sweetspot

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



34.2970, 30.4410, 15.5050



79.7350, 11.2320, 5.6960



36.2520, 9.1190, 27.4790



39.2290, 6.7850, 3.6890



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000



# Same Dimension

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



34.2970, 30.4410, 15.5050



34.2500, 46.9910, 23.9430



43.0220, 29.2970, 3.1930



33.3100, 2.0630, 1.1590



31.7670, 52.9050, 26.8970



72.8890, 121.1680, 61.8080



# Inverse Universe

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



34.2970, 30.4410, 15.5050



34.2500, 46.9910, 23.9430



45.9780, -29.2970, -3.1930



33.3100, 2.0630, 1.1590



31.7670, 52.9050, 26.8970

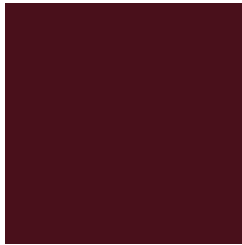


72.8890, 121.1680, 61.8080



# Previews

## White Background



This preview shows how the YIQ color 34.2970, 30.4410, 15.5050 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

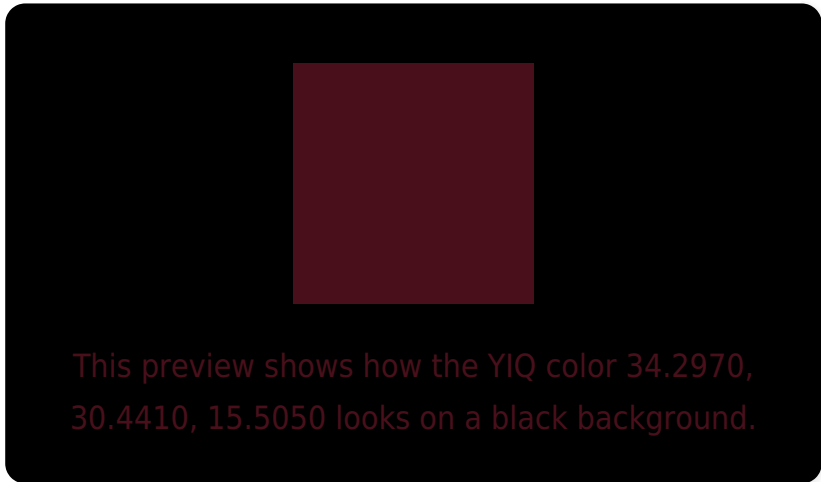
Any Text WCAG AA ✓ Pass

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

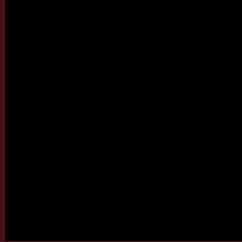
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 34.2970, 30.4410, 15.5050

## Background



This preview shows how black text looks on a background with the YIQ color 34.2970, 30.4410, 15.5050.



This preview shows how white text looks on a background with the YIQ color 34.2970, 30.4410,



# 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

34.2970, 30.4410, 15.5050

### Protanopia

39.0710, 1.2380, -0.4100

### Deuteranopia

38.5080, 10.1330, -1.9230



## Tritanopia

34.4450, 32.7800, 11.6600

# Trichromacy



## Original Color

34.2970, 30.4410, 15.5050

## Protanomaly

37.5070, 11.8740, 5.0740

## Deuteranomaly

36.6170, 17.3760, 4.4800

## Tritanomaly

34.2000, 32.0920, 13.1160

# Monochromacy



## Original Color

34.2970, 30.4410, 15.5050

## Achromatopsia

34.0000, -0.0000, 0.0000

## Achromatomaly

33.7350, 11.2320, 5.6960

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.2970, 30.4410, 15.5050 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(73, 16, 27)` looks like.

```
.text, #text, p{  
    color:rgb(73, 16, 27)  
}
```

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(73, 16, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 16, 27) }
```

## Border

The CSS property to change the border of an element to YIQ 34.2970, 30.4410, 15.5050 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(73, 16, 27) }
```



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

```
.border{ border-color:rgb(73, 16, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 16, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 16, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 16, 27);  
box-shadow:4px 4px 4px 4px rgb(73, 16, 27)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 34.2970, 30.4410, 15.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 16, 27) }
```

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

```
.background{ background-color: rgb(73, 16,  
27) }
```

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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