

# Converting Colors

YIQ(30.4980, 34.4290, 20.3250)

Have a look what the booklet for  
YIQ(30.4980, 34.4290, 20.3250)  
contains.

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# Color

**YIQ(30.4980, 34.4290,  
20.3250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C081B
RGB	76, 8, 27
RGB Percent	30%, 3%, 11%
CMY	0.7018, 0.9687, 0.8940
CMYK	0.00, 0.90, 0.64, 0.70
HSL	343°, 81%, 16%
HSV	343°, 90%, 30%
XYZ	3.2687, 1.7906, 1.2121
YIQ	30.4980, 34.4290, 20.3250

# Conversions

## Conversions Part 2

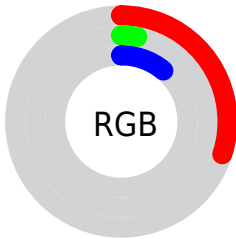
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">76, 8, 27</a>
Decimal	<a href="#">4982811</a>
CIELab	<a href="#">14.35, 31.79, 7.67</a>
CIELCh	<a href="#">14, 32.700, 13.559</a>
Yxy	<a href="#">1.7906, 0.5212, 0.2855</a>
Android (android.graphics.Color)	<a href="#">4283172891 (0xFF4C081B)</a>
YUV	<a href="#">30.4980, -1.7245, 39.9053</a>
Hunter-Lab	<a href="#">13.3815, 20.1851, 3.9963</a>

# Details

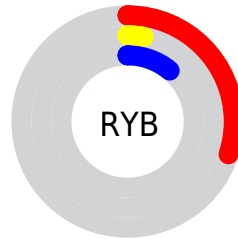
The YIQ color **30.4980, 34.4290, 20.3250** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **53.5020, -34.4290, -20.3250**, and the grayscale version is **30.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **80.5970, 38.4640, 18.7840**, and **5.3820, 10.7280, 3.8160** is the 20% darker color. If you saturate the color by 10%, you get **25.2320, 38.2340, 22.9540**, and if you desaturate by 10%, it is **35.8780, 30.3030, 18.0070**.

# Distribution



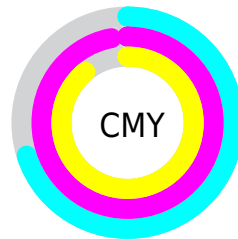
- Red (30%)
- Green (3%)
- Blue (11%)



- Red (30%)
- Yellow (3%)
- Blue (11%)



- Cyan (0%)
- Magenta (90%)
- Yellow (64%)
- Black (70%)




- Cyan (70%)
- Magenta (97%)
- Yellow (89%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 30.4980, 34.4290, 20.3250 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 30.4980, 34.4290, 20.3250 by changing the saturation by 10% instead.




 30.4980, 34.4290,  
20.3250


 30.4980, 34.4290,  
20.3250

 249.0160, 3.0710,  
4.9190


 15.5480, 30.9920,  
11.0240


 80.5970, 38.4640,  
18.7840


 5.3820, 10.7280,  
3.8160

 106.2660, 40.8940,  
18.7980

 0.0000, 0.0000,  
0.0000


 132.1630, 42.6820,  
19.4340


 159.0600, 44.4700,  
20.0700


 186.5440, 45.9830,  
20.1830


 209.0590, 37.0430,


17.0030


 228.6870, 20.3550,  
11.0670

 30.4980, 34.4290,  
20.3250


 30.4980, 34.4290,  
20.3250


 25.2320, 38.2340,  
22.9540


 35.8780, 30.3030,  
18.0070

 25.1180, 38.5550,  
22.6430

 40.5570, 26.7730,  
15.9010

 45.8230, 22.9680,  
13.2720

 50.6160, 19.1170,  
11.4770

 55.8820, 15.3120,  
8.8480

■ 61.2620, 11.1860,  
6.5300

■ 65.9410, 7.6560,  
4.4240

■ 71.3210, 3.5300,  
2.1060

■ 76.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



33.0870, 22.6450, 24.6370



30.4980, 34.4290, 20.3250



32.3820, 37.0910, 5.1150

# Triad

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



30.4980, 34.4290, 20.3250



28.5300, -5.2690, -20.1570



34.4750, -37.8260, 2.7020

# Complementary

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



30.4980, 34.4290, 20.3250



53.5020, -34.4290, -20.3250

# 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.



34.7540, -34.4780, -2.9100



30.4980, 34.4290, 20.3250



29.5100, -19.7120, -17.2160

# Square

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



30.4980, 34.4290, 20.3250



33.3690, 11.6020, -12.0300



32.2460, -27.4160, -9.7520



30.3660, -35.9010, 6.3630



# Rectangle

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



30.4980, 34.4290, 20.3250



34.3870, 29.5270, -0.9770



32.2460, -27.4160, -9.7520



34.6060, -36.8170, 0.9350

# Sweetspot

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



30.4980, 34.4290, 20.3250



81.5720, 13.2490, 7.6890



30.4030, 7.3760, 31.5360



40.2400, 8.2520, 4.6360



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



30.4980, 34.4290, 20.3250



32.7930, 50.0160, 29.6960



37.1370, 36.4030, 6.5710



35.3100, 2.0630, 1.1590



33.8040, 51.4830, 30.6430



76.0660, 116.5360, 68.6640



# Inverse Universe

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



30.4980, 34.4290, 20.3250



32.7930, 50.0160, 29.6960



46.8630, -36.4030, -6.5710



35.3100, 2.0630, 1.1590



33.8040, 51.4830, 30.6430

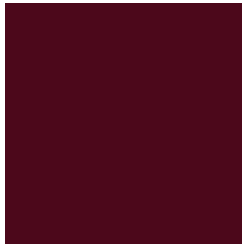


76.0660, 116.5360, 68.6640



# Previews

## White Background



This preview shows how the YIQ color 30.4980, 34.4290, 20.3250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

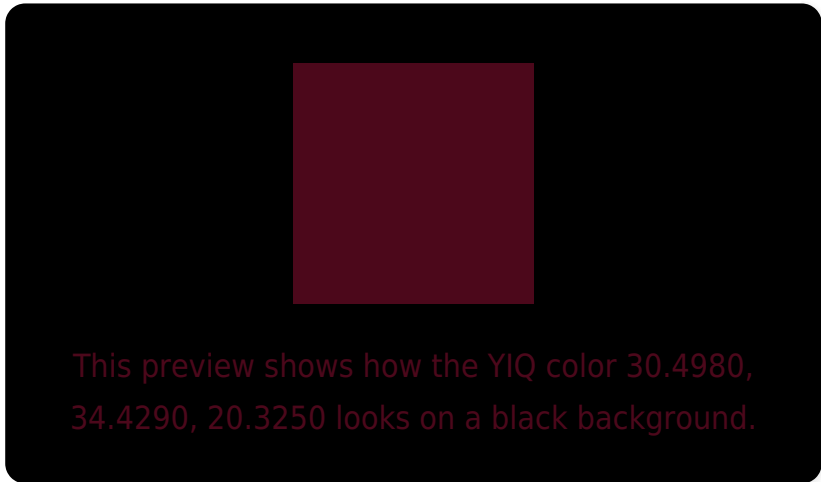
Any Text WCAG AA ✓ Pass

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

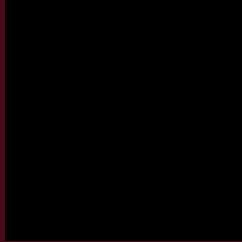
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 30.4980, 34.4290, 20.3250

## Background



This preview shows how black text looks on a background with the YIQ color 30.4980, 34.4290, 20.3250.



This preview shows how white text looks on a background with the YIQ color 30.4980, 34.4290,



# 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

30.4980, 34.4290, 20.3250

### Protanopia

39.2990, 0.5960, 0.2120

### Deuteranopia

39.3940, 10.4540, -2.2340



## Tritanopia

31.7230, 37.8690, 13.0450

# Trichromacy



## Original Color

30.4980, 34.4290, 20.3250

## Protanomaly

36.2730, 12.6530, 7.4770

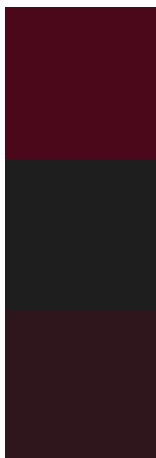
## Deuteranomaly

36.0410, 19.1180, 5.9500

## Tritanomaly

31.1190, 36.8140, 15.6460

# Monochromacy



## Original Color

30.4980, 34.4290, 20.3250

## Achromatopsia

30.0000, -0.0000, -0.0000

## Achromatomaly

30.2730, 12.6530, 7.4770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 30.4980, 34.4290, 20.3250 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(76, 8, 27)` looks like.

```
.text, #text, p{  
    color:rgb(76, 8, 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(76, 8, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 8, 27) }
```

## Border

The CSS property to change the border of an element to YIQ 30.4980, 34.4290, 20.3250 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(76, 8, 27) }
```



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

```
.border{ border-color:rgb(76, 8, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 8, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 8, 27); -webkit-box-shadow:4px  
4px 4px 4px rgb(76, 8, 27); box-shadow:4px  
4px 4px 4px rgb(76, 8, 27) }
```

# Background

The CSS property to change the background color of an element to YIQ 30.4980, 34.4290, 20.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 8, 27) }
```

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

```
.background{ background-color: rgb(76, 8,  
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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