

# Converting Colors

YIQ(19.8810, 17.0530, 15.8450)

Have a look what the booklet for  
YIQ(19.8810, 17.0530, 15.8450)  
contains.

<b>YIQ(19.8810, 17.0530, 15.8450)</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(19.8810, 17.0530,  
15.8450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2E051C
RGB	46, 5, 28
RGB Percent	18%, 2%, 11%
CMY	0.8195, 0.9805, 0.8901
CMYK	0.00, 0.89, 0.39, 0.82
HSL	326°, 80%, 10%
HSV	326°, 89%, 18%
XYZ	1.3918, 0.7736, 1.1754
YIQ	19.8810, 17.0530, 15.8450

# Conversions

## Conversions Part 2

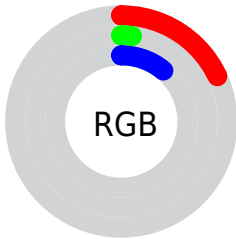
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 5, 28
Decimal	3015964
CIE <sub>Lab</sub>	6.99, 23.24, -4.57
CIE <sub>LCh</sub>	7, 23.686, 348.882
Yxy	0.7736, 0.4166, 0.2316
Android (android.graphics.Color)	4281206044 (0xFF2E051C)
YUV	19.8810, 4.0027, 22.9064
Hunter-Lab	8.7953, 12.8554, -1.7665




# Details

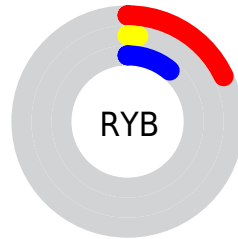
The YIQ color **19.8810, 17.0530, 15.8450** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **31.1190, -17.0530, -15.8450**, and the grayscale version is **20.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **65.5500, 19.4830, 15.8590**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **16.7180, 19.0700, 17.8380**, and if you desaturate by 10%, it is **23.0440, 15.0360, 13.8520**.

# Distribution







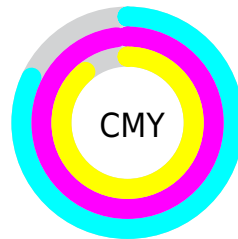
-  Red (18%)
-  Green (2%)
-  Blue (11%)






-  Red (18%)
-  Yellow (2%)
-  Blue (11%)



-  Cyan (0%)
-  Magenta (89%)
-  Yellow (39%)
-  Black (82%)



-  Cyan (82%)
-  Magenta (98%)
-  Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 19.8810, 17.0530, 15.8450 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 19.8810, 17.0530, 15.8450 by changing the saturation by 10% instead.



■ 19.8810, 17.0530,  
15.8450

■ 19.8810, 17.0530,  
15.8450

■ 240.9120, 6.6000,  
12.5520

■ 6.5780, 13.1120,  
4.6640

■ 65.5500, 19.4830,  
15.8590

■ 0.0000, 0.0000,  
0.0000

■ 89.5610, 20.9500,  
16.8060


■ 114.2730, 21.8210,  
17.5410


■ 139.8710, 23.0130,  
17.9650


■ 166.5830, 23.8840,  
18.7000


■ 193.8820, 24.4800,


18.9120


 221.2840, 23.2880,  
18.4880


 19.8810, 17.0530,  
15.8450


 19.8810, 17.0530,  
15.8450


 16.7180, 19.0700,  
17.8380

 23.0440, 15.0360,  
13.8520

 25.6200, 13.2940,  
12.3820

 28.7830, 11.2770,  
10.3890

 31.3590, 9.5350,  
8.9190

 34.5220, 7.5180,  
6.9260

■ 37.6850, 5.5010,  
4.9330

■ 40.2610, 3.7590,  
3.4630

■ 43.4240, 1.7420,  
1.4700

■ 46.0000, 0.0000,  
-0.0000

# Harmonies

## Analogous

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



21.9980, 3.4820, 13.9940



19.8810, 17.0530, 15.8450



18.4980, 25.2610, 10.2610

# Triad

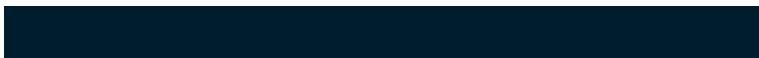
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.8810, 17.0530, 15.8450



19.4700, 4.1280, -8.7360



22.1530, -22.4200, -1.1720

# Complementary

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



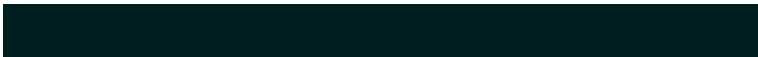
19.8810, 17.0530, 15.8450



31.1190, -17.0530, -15.8450

# 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.



21.1440, -18.2010, -6.0490



19.8810, 17.0530, 15.8450



16.4360, -7.7000, -14.6440

# Square

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



19.8810, 17.0530, 15.8450



21.0200, 14.4430, -2.9410



19.0920, -12.4230, -11.6470



20.6030, -23.5670, 3.0970



# Rectangle

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



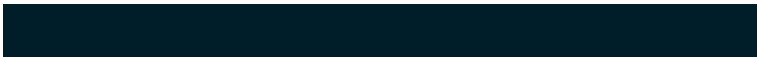
19.8810, 17.0530, 15.8450



18.7490, 25.8120, 5.7800



19.0920, -12.4230, -11.6470



22.2840, -21.4110, -2.9390

# Sweetspot

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



19.8810, 17.0530, 15.8450



48.8100, 6.6470, 6.1910



15.0560, -2.4330, 16.5670



24.5600, 4.3550, 3.6750



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.



19.8810, 17.0530, 15.8450



21.4030, 24.5710, 22.7710



17.6010, 23.4730, 9.6250



21.7120, 0.8710, 0.7350



31.5990, 36.1230, 33.6830



77.6660, 89.0240, 82.6880



# Inverse Universe

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



19.8810, 17.0530, 15.8450



21.4030, 24.5710, 22.7710



33.3990, -23.4730, -9.6250



21.7120, 0.8710, 0.7350



31.5990, 36.1230, 33.6830

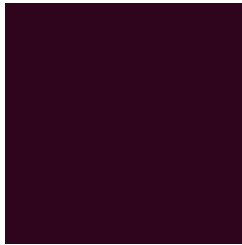


77.6660, 89.0240, 82.6880



# Previews

## White Background



This preview shows how the YIQ color 19.8810, 17.0530, 15.8450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

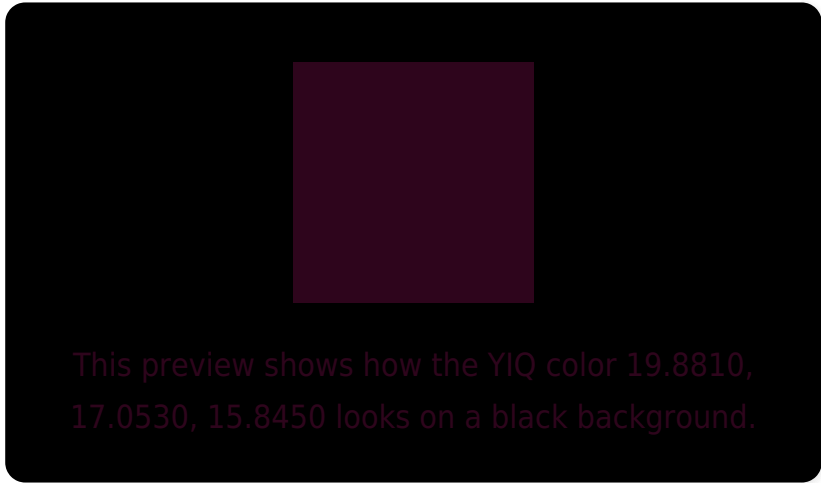
Any Text WCAG AA ✓ Pass

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

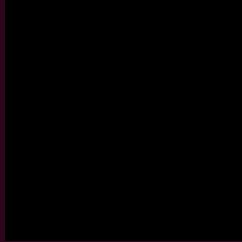
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 19.8810, 17.0530, 15.8450

## Background



This preview shows how black text looks on a background with the YIQ color 19.8810, 17.0530, 15.8450.



This preview shows how white text looks on a background with the YIQ color 19.8810, 17.0530,



# 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

19.8810, 17.0530, 15.8450

### Protanopia

24.3290, -8.1160, 3.9160

### Deuteranopia

24.8260, 0.5500, 1.0460



## Tritanopia

21.8670, 19.6680, 6.9960

# Trichromacy



## Original Color

19.8810, 17.0530, 15.8450

## Protanomaly

22.7540, 1.0530, 8.4530

## Deuteranomaly

22.9240, 6.3260, 6.5020

## Tritanomaly

20.7900, 18.5670, 10.4310

# Monochromacy



## Original Color

19.8810, 17.0530, 15.8450

## Achromatopsia

20.0000, 0.0000, -0.0000

## Achromatomaly

20.0980, 5.7760, 5.4560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 19.8810, 17.0530, 15.8450 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(46, 5, 28)` looks like.

```
.text, #text, p{  
    color:rgb(46, 5, 28)  
}
```

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(46, 5, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 5, 28) }
```

## Border

The CSS property to change the border of an element to YIQ 19.8810, 17.0530, 15.8450 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(46, 5, 28) }
```



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

```
.border{ border-color:rgb(46, 5, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 5, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 5, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 5, 28); box-shadow:4px  
4px 4px 4px rgb(46, 5, 28) }
```

# Background

The CSS property to change the background color of an element to YIQ 19.8810, 17.0530, 15.8450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 5, 28) }
```

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

```
.background{ background-color: rgb(46, 5,  
28) }
```

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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