

Converting Colors

YIQ(33.1910, 0.7800, -3.1240)

Have a look what the booklet for
YIQ(33.1910, 0.7800, -3.1240)
contains.

YIQ(33.1910, 0.7800, -3.1240)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(33.1910, 0.7800,
-3.1240)**

Conversions

Conversions Part 1

Format	Color
Hex	20231B
RGB	32, 35, 27
RGB Percent	13%, 14%, 11%
CMY	0.8745, 0.8627, 0.8941
CMYK	0.09, 0.00, 0.23, 0.86
HSL	83°, 13%, 12%
HSV	83°, 23%, 14%
XYZ	1.3945, 1.5883, 1.2701
YIQ	33.1910, 0.7800, -3.1240

Conversions

Conversions Part 2

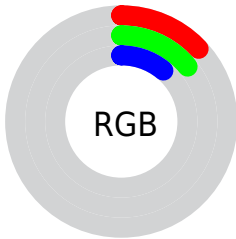
Format	Color
R_{YB}	27, 35, 30
Decimal	2106139
CIE Lab	13.16, -3.28, 4.92
CIE LCh	13, 5.909, 123.718
Yxy	1.5883, 0.3279, 0.3735
Android (android.graphics.Color)	4280296219 (0xFF20231B)
YUV	33.1910, -3.0522, -1.0445
Hunter-Lab	12.6028, -2.3040, 2.8466

Details

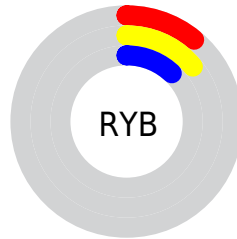
The YIQ color **33.1910, 0.7800, -3.1240** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28.8090, -0.7800, 3.1240**, and the grayscale version is **33.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **77.0770, 1.1010, -3.4350**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **32.5500, 1.1470, -4.2690**, and if you desaturate by 10%, it is **33.9460, 0.0920, -1.6680**.

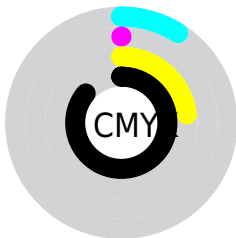
Distribution



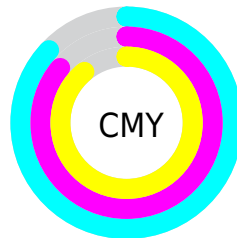
- Red (13%)
- Green (14%)
- Blue (11%)



- Red (11%)
- Yellow (14%)
- Blue (12%)



- Cyan (9%)
- Magenta (0%)
- Yellow (23%)
- Black (86%)



- Cyan (87%)
- Magenta (86%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.1910, 0.7800, -3.1240 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 33.1910, 0.7800, -3.1240 by changing the saturation by 10% instead.

■ 33.1910, 0.7800,
-3.1240

■ 33.1910, 0.7800,
-3.1240

■ 254.8860, 0.3210,
-0.3110

■ 10.3220, 1.7890,
-4.8910

■ 77.0770, 1.1010,
-3.4350

■ 0.0000, 0.0000,
0.0000

■ 101.0770, 1.1010,
-3.4350

■ 125.9630, 1.4220,
-3.7460

■ 151.9630, 1.4220,
-3.7460

■ 178.6640, 0.8260,
-3.9580

■ 206.5500, 1.1470,

-4.2690

■ 234.5500, 1.1470,
-4.2690

■ 33.1910, 0.7800,
-3.1240

■ 33.1910, 0.7800,
-3.1240

■ 32.5500, 1.1470,
-4.2690

■ 33.9460, 0.0920,
-1.6680

■ 31.4960, 1.2390,
-5.9370

■ 34.8860, 0.3210,
-0.3110

■ 30.8550, 1.6060,
-7.0820

■ 35.6410, -0.3670,
1.1450

■ 30.1000, 2.2940,
-8.5380

■ 36.2820, -0.7340,
2.2900

■ 29.1600, 2.0650,
-9.8950

■ 37.3360, -0.8260,
3.9580

■ 28.4050, 2.7530,
-11.3510

■ 37.9770, -1.1930,
5.1030

■ 27.7640, 3.1200,
-12.4960

■ 38.7320, -1.8810,
6.5590

■ 27.1230, 3.4870,
-13.6410

■ 39.6720, -1.6520,
7.9160

■ 40.4270, -2.3400,
9.3720

Harmonies

Analogous

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



33.9850, 4.3560, -1.8520



33.1910, 0.7800, -3.1240



32.6250, -3.4380, -3.7740

Triad

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



33.1910, 0.7800, -3.1240



32.6940, -7.8860, -0.2540



34.5170, 5.9140, 2.9540

Complementary

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



33.1910, 0.7800, -3.1240



28.8090, -0.7800, 3.1240

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.



35.0760, 2.8420, 3.5620



33.1910, 0.7800, -3.1240



33.7160, -4.9520, 1.6400

Square

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



33.1910, 0.7800, -3.1240



32.3410, -8.3900, -2.1340



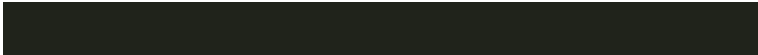
34.5100, -1.3760, 2.9120



34.1750, 6.8770, 2.0210

Rectangle

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



33.1910, 0.7800, -3.1240



32.3690, -5.5930, -3.2650



34.5100, -1.3760, 2.9120



34.7450, 5.2720, 3.5760

Sweetspot

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



33.1910, 0.7800, -3.1240



45.3590, 0.3670, -1.1450



31.1530, 3.9430, 0.1270



22.4730, 0.0460, -0.8340



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.



33.1910, 0.7800, -3.1240



43.1370, 0.8720, -4.7920



31.9950, -1.6040, -3.9720



17.4730, 0.0460, -0.8340



63.3830, 7.8460, -32.0740



161.8520, 20.6010, -81.5350

Inverse Universe

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



28.8090, -0.7800, 3.1240



36.5640, -1.4680, 4.5800



30.0050, 1.6040, 3.9720



16.5270, -0.0460, 0.8340



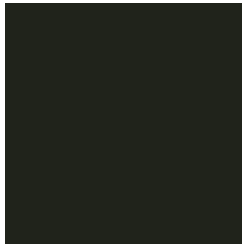
18.6170, -7.8460, 32.0740



47.4470, -20.0050, 81.7470

Previews

White Background



This preview shows how the YIQ color 33.1910, 0.7800, -3.1240 looks on a white background.

Color Contrast Check

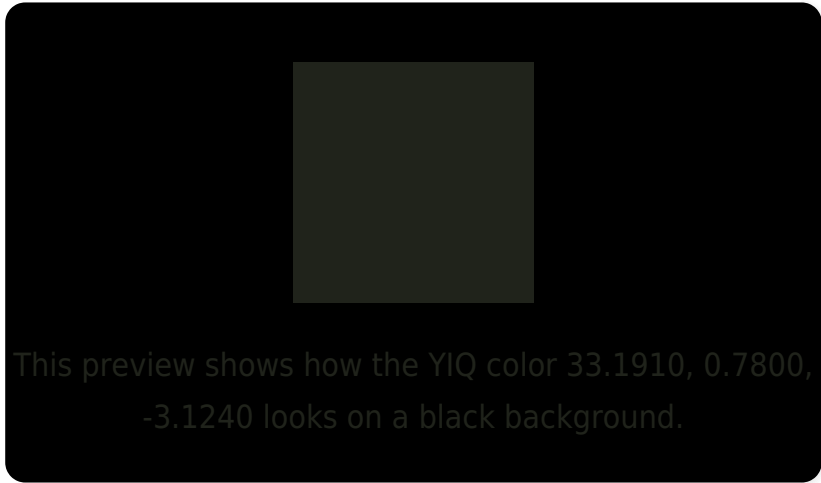
Large Text (above 18pt) WCAG AA ✓ Pass

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

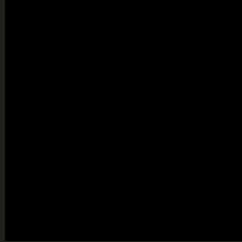
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

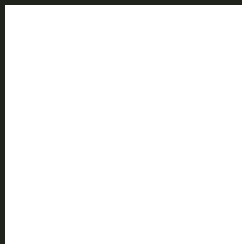
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 33.1910, 0.7800, -3.1240

Background



This preview shows how black text looks on a background with the YIQ color 33.1910, 0.7800, -3.1240.



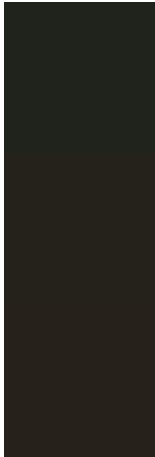
This preview shows how white text looks on a background with the YIQ color 33.1910, 0.7800,

-3.1240.

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

33.1910, 0.7800, -3.1240

Protanopia

33.6860, 3.7600, -2.0640

Deuteranopia

34.2240, 5.1810, -0.2830



Tritanopia

33.9290, -1.2380, 0.4100

Trichromacy



Original Color

33.1910, 0.7800, -3.1240

Protanomaly

33.3870, 3.1640, -2.2760

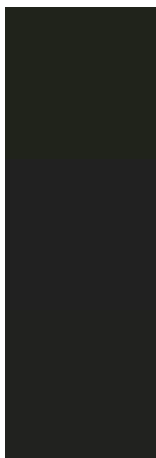
Deuteranomaly

33.9140, 3.1180, -1.4420

Tritanomaly

33.5870, -0.2750, -0.5230

Monochromacy



Original Color

33.1910, 0.7800, -3.1240

Achromatopsia

33.0000, -0.0000, -0.0000

Achromatomaly

33.3590, 0.3670, -1.1450

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.1910, 0.7800, -3.1240 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(32, 35, 27)` looks like.

```
.text, #text, p{  
    color:rgb(32, 35, 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(32, 35, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 35, 27) }
```

Border

The CSS property to change the border of an element to YIQ 33.1910, 0.7800, -3.1240 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(32, 35, 27) }
```


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

```
.border{ border-color:rgb(32, 35, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 35, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 35, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 35, 27);  
box-shadow:4px 4px 4px 4px rgb(32, 35, 27)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.1910, 0.7800, -3.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 35, 27) }
```

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

```
.background{ background-color: rgb(32, 35,  
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](#).

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