

Converting Colors

YIQ(33.7880, -14.6230,
-15.8310)

Have a look what the booklet for
YIQ(33.7880, -14.6230, -15.8310)
contains.

YIQ(33.7880, -14.6230, -15.8310)	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(33.7880, -14.6230,
-15.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	0A3017
RGB	10, 48, 23
RGB Percent	4%, 19%, 9%
CMY	0.9609, 0.8117, 0.9098
CMYK	0.79, 0.00, 0.52, 0.81
HSL	141°, 66%, 11%
HSV	141°, 79%, 19%
XYZ	1.3370, 2.2414, 1.1723
YIQ	33.7880, -14.6230, -15.8310

Conversions

Conversions Part 2

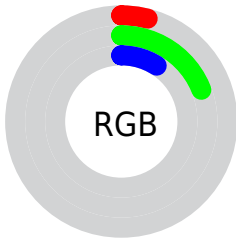
Format	Color
R_{YB}	10, 38, 48
Decimal	667671
CIE _{Lab}	16.71, -20.28, 12.23
CIE _{LCh}	17, 23.678, 148.908
Yxy	2.2414, 0.2814, 0.4718
Android (android.graphics.Color)	4278857751 (0xFF0A3017)
YUV	33.7880, -5.3185, -20.8621
Hunter-Lab	14.9713, -10.2589, 5.8374

Details

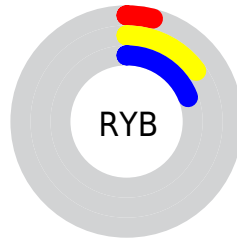
The YIQ color **33.7880, -14.6230, -15.8310** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **24.2120, 14.6230, 15.8310**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **80.3320, -13.3390, -17.0750**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **31.9510, -16.6400, -17.8240**, and if you desaturate by 10%, it is **35.6250, -12.6060, -13.8380**.

Distribution



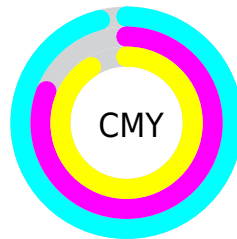
- Red (4%)
- Green (19%)
- Blue (9%)



- Red (4%)
- Yellow (15%)
- Blue (19%)



- Cyan (79%)
- Magenta (0%)
- Yellow (52%)
- Black (81%)



- Cyan (96%)
- Magenta (81%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.7880, -14.6230, -15.8310 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 33.7880, -14.6230, -15.8310 by changing the saturation by 10% instead.

■ 33.7880, -14.6230,
-15.8310

■ 33.7880, -14.6230,
-15.8310

■ 250.5430, -6.1430,
-4.3110

■ 16.4360, -7.7000,
-14.6440

■ 80.3320, -13.3390,
-17.0750

■ 0.0000, 0.0000,
0.0000

■ 104.9190,
-13.6140, -17.5980


■ 129.8050,
-13.2930, -17.9090


■ 156.3920,
-13.5680, -18.4320


■ 182.9790,
-13.8430, -18.9550


■ 210.5660,


-14.1180, -19.4780


 238.5660,
-14.1180, -19.4780


 33.7880, -14.6230,
-15.8310


 33.7880, -14.6230,
-15.8310


 31.9510, -16.6400,
-17.8240


 35.6250, -12.6060,
-13.8380


 30.1140, -18.6570,
-19.8170

 37.4620, -10.5890,
-11.8450

 30.0000, -18.3360,
-20.1280

 39.0000, -9.1680,
-10.0640

 40.9510, -7.4720,
-7.7600

 42.7880, -5.4550,
-5.7670

■ 44.6250, -3.4380,
-3.7740

■ 46.4620, -1.4210,
-1.7810

■ 48.0000, -0.0000,
0.0000

■ 49.8370, 2.0170,
1.9930

Harmonies

Analogous

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



37.4930, 5.3210, -13.8390



33.7880, -14.6230, -15.8310



33.3230, -26.3150, -13.1870

Triad

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



33.7880, -14.6230, -15.8310



33.7910, -35.9000, 0.8360



40.6290, 26.2700, 8.4940

Complementary

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



33.7880, -14.6230, -15.8310



24.2120, 14.6230, 15.8310

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.



41.3930, 21.3630, 14.8270



33.7880, -14.6230, -15.8310



41.7730, -9.1260, 11.2100

Square

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



33.7880, -14.6230, -15.8310



35.5690, -35.3950, -2.8110



42.5750, 9.1670, 15.5910



40.3480, 25.2630, -0.7930

Rectangle

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



33.7880, -14.6230, -15.8310



34.6910, -30.1670, -9.4550



42.5750, 9.1670, 15.5910



40.3240, 25.8110, 11.3070

Sweetspot

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



33.7880, -14.6230, -15.8310



55.7880, -5.4550, -5.7670



39.7810, 4.4500, -14.5740



27.6250, -3.4380, -3.7740



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.



33.7880, -14.6230, -15.8310



39.3260, -22.3700, -24.1140



35.9540, -20.7220, -9.9220



22.1740, -0.5500, -1.0460



54.4890, -33.5550, -36.1710



133.9400, -82.2830, -89.2190

Inverse Universe

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



24.2120, 14.6230, 15.8310



24.6740, 22.3700, 24.1140



22.0460, 20.7220, 9.9220



21.7120, 0.8710, 0.7350



32.5110, 33.5550, 36.1710



80.0600, 82.2830, 89.2190

Previews

White Background



This preview shows how the YIQ color 33.7880, -14.6230, -15.8310 looks on a white background.

Color Contrast Check

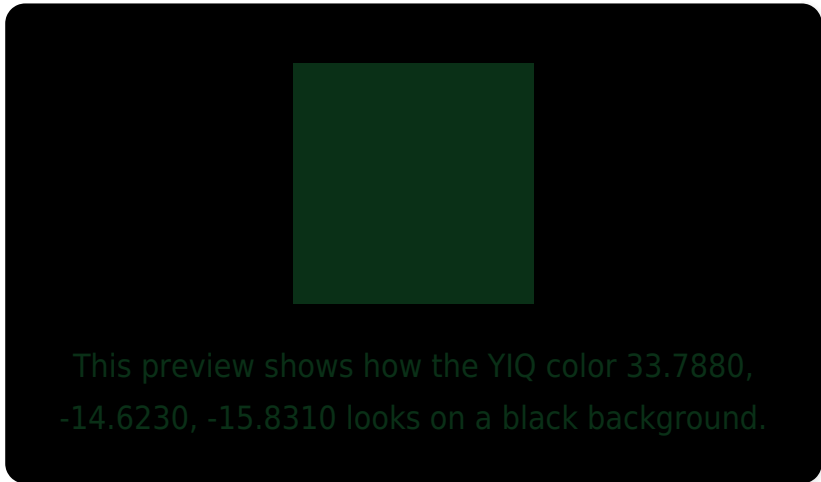
Large Text (above 18pt) WCAG AA ✓ Pass

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

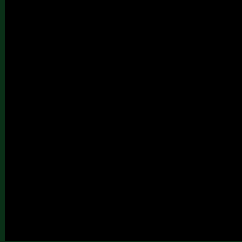
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 33.7880, -14.6230, -15.8310

Background



This preview shows how black text looks on a background with the YIQ color 33.7880, -14.6230, -15.8310.



This preview shows how white text looks on a background with the YIQ color 33.7880, -14.6230,

-15.8310.

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

33.7880, -14.6230, -15.8310

Protanopia

40.8020, 9.1250, -5.6830

Deuteranopia

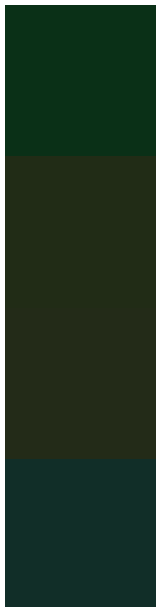
41.2800, 10.7750, -2.5450



Tritanopia

38.2800, -15.5880, -3.8440

Trichromacy



Original Color

33.7880, -14.6230, -15.8310

Protanomaly

38.2030, 0.5060, -9.1740

Deuteranomaly

38.4420, 1.3310, -7.6050

Tritanomaly

36.6450, -15.3580, -8.0140

Monochromacy



Original Color

33.7880, -14.6230, -15.8310

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

33.7880, -5.4550, -5.7670

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.7880, -14.6230, -15.8310 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(10, 48, 23)` looks like.

```
.text, #text, p{  
    color:rgb(10, 48, 23)  
}
```

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(10, 48, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 48, 23) }
```

Border

The CSS property to change the border of an element to YIQ 33.7880, -14.6230, -15.8310 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(10, 48, 23) }
```


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

```
.border{ border-color:rgb(10, 48, 23) }
```

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

Here you see how a box with a 4 pixel rgb(10, 48, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 48, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 48, 23);  
box-shadow:4px 4px 4px 4px rgb(10, 48, 23)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.7880, -14.6230, -15.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 48, 23) }
```

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

```
.background{ background-color: rgb(10, 48,  
23) }
```

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