

# Converting Colors

YIQ(30.7880, -14.6230,  
-15.8310)

Have a look what the booklet for  
YIQ(30.7880, -14.6230, -15.8310)  
contains.

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# Color

**YIQ(30.7880, -14.6230,  
-15.8310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	072D14
RGB	7, 45, 20
RGB Percent	3%, 18%, 8%
CMY	0.9727, 0.8235, 0.9216
CMYK	0.85, 0.00, 0.56, 0.82
HSL	141°, 73%, 10%
HSV	141°, 85%, 18%
XYZ	1.1525, 1.9735, 0.9815
YIQ	30.7880, -14.6230, -15.8310

# Conversions

## Conversions Part 2

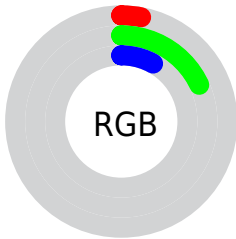
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	7, 35, 45
Decimal	470292
CIE Lab	15.35, -20.25, 12.42
CIE LCh	15, 23.757, 148.471
Yxy	1.9735, 0.2806, 0.4805
Android (android.graphics.Color)	4278660372 (0xFF072D14)
YUV	30.7880, -5.3185, -20.8621
Hunter-Lab	14.0480, -9.9403, 5.6910

# Details

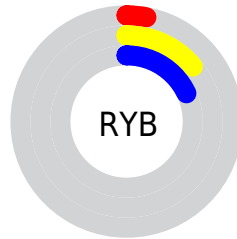
The YIQ color **30.7880, -14.6230, -15.8310** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **21.2120, 14.6230, 15.8310**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **76.7450, -13.0640, -16.5520**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **28.9510, -16.6400, -17.8240**, and if you desaturate by 10%, it is **32.3260, -13.2020, -14.0500**.

# Distribution



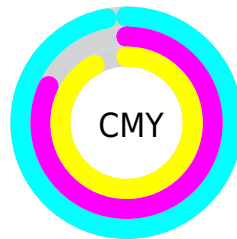
- Red (3%)
- Green (18%)
- Blue (8%)



- Red (3%)
- Yellow (14%)
- Blue (18%)



- Cyan (85%)
- Magenta (0%)
- Yellow (56%)
- Black (82%)



- Cyan (97%)
- Magenta (82%)
- Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 30.7880, -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 30.7880, -14.6230, -15.8310 by changing the saturation by 10% instead.



■ 30.7880, -14.6230,  
-15.8310

■ 30.7880, -14.6230,  
-15.8310

■ 248.7770, -6.9220,  
-6.7140

■ 15.2620, -7.1500,  
-13.5980

■ 76.7450, -13.0640,  
-16.5520

■ 0.0000, 0.0000,  
0.0000

■ 101.2180,  
-13.0180, -17.3860


■ 126.6910,  
-12.9720, -18.2200


■ 152.3920,  
-13.5680, -18.4320


■ 179.8650,  
-13.5220, -19.2660


■ 207.4520,


-13.7970, -19.7890


 235.4520,  
-13.7970, -19.7890


 30.7880, -14.6230,  
-15.8310


 30.7880, -14.6230,  
-15.8310


 28.9510, -16.6400,  
-17.8240


 32.3260, -13.2020,  
-14.0500

 28.1250, -17.1900,  
-18.8700

 34.1630, -11.1850,  
-12.0570

 35.7010, -9.7640,  
-10.2760

 37.5380, -7.7470,  
-8.2830

 39.0760, -6.3260,  
-6.5020

■ 40.9130, -4.3090,  
-4.5090

■ 42.4510, -2.8880,  
-2.7280

■ 44.2880, -0.8710,  
-0.7350

■ 45.8260, 0.5500,  
1.0460

# Harmonies

## Analogous

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



34.5640, 6.5590, -14.2490



30.7880, -14.6230, -15.8310



31.2200, -24.5270, -12.5510

# Triad

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



30.7880, -14.6230, -15.8310



32.2750, -34.3870, 0.9490



37.6290, 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.



30.7880, -14.6230, -15.8310



21.2120, 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.



38.3930, 21.3630, 14.8270



30.7880, -14.6230, -15.8310



38.7730, -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.



30.7880, -14.6230, -15.8310



34.0530, -33.8820, -2.6980



39.5750, 9.1670, 15.5910



37.1200, 25.9050, -1.4150



# Rectangle

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



30.7880, -14.6230, -15.8310



32.5880, -28.3790, -8.8190



39.5750, 9.1670, 15.5910



37.4380, 25.4900, 11.6180

# Sweetspot

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



30.7880, -14.6230, -15.8310



53.3750, -5.7300, -6.2900



36.7810, 4.4500, -14.5740



27.3260, -4.0340, -3.9860



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.



30.7880, -14.6230, -15.8310



36.9130, -22.6450, -24.6370



32.9540, -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.



21.2120, 14.6230, 15.8310



22.0870, 22.6450, 24.6370



19.0460, 20.7220, 9.9220



21.7120, 0.8710, 0.7350



32.5110, 33.5550, 36.1710

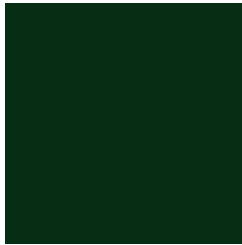


80.0600, 82.2830, 89.2190



# Previews

## White Background



This preview shows how the YIQ color 30.7880, -14.6230, -15.8310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

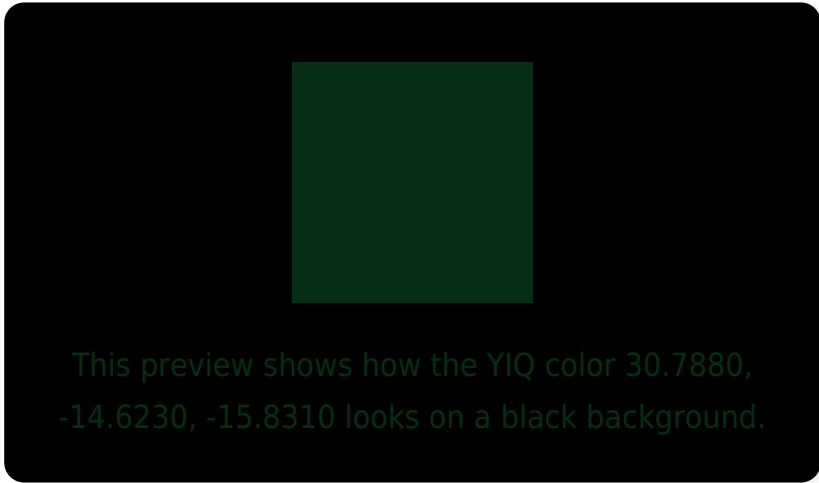
Any Text WCAG AA ✓ Pass

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

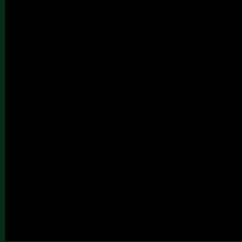
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 30.7880, -14.6230, -15.8310

## Background



This preview shows how black text looks on a background with the YIQ color 30.7880, -14.6230, -15.8310.



This preview shows how white text looks on a background with the YIQ color 30.7880, -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

30.7880, -14.6230, -15.8310

### Protanopia

37.8020, 9.1250, -5.6830

### Deuteranopia

38.2800, 10.7750, -2.5450



## Tritanopia

35.5790, -14.9920, -3.6320

# Trichromacy



## Original Color

30.7880, -14.6230, -15.8310

## Protanomaly

35.2030, 0.5060, -9.1740

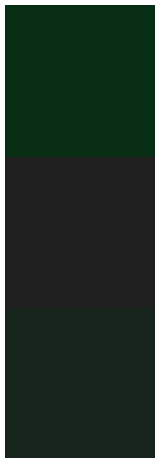
## Deuteranomaly

35.4420, 1.3310, -7.6050

## Tritanomaly

33.9440, -14.7620, -7.8020

# Monochromacy



## Original Color

30.7880, -14.6230, -15.8310

## Achromatopsia

31.0000, -0.0000, -0.0000

## Achromatomaly

30.7880, -5.4550, -5.7670

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 30.7880, -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(7, 45, 20)` looks like.

```
.text, #text, p{  
    color:rgb(7, 45, 20)  
}
```

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(7, 45, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 45, 20) }
```

## Border

The CSS property to change the border of an element to YIQ 30.7880, -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(7, 45, 20) }
```



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

```
.border{ border-color:rgb(7, 45, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 45, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 45, 20); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 45, 20); box-shadow:4px  
4px 4px 4px rgb(7, 45, 20) }
```

# Background

The CSS property to change the background color of an element to YIQ 30.7880, -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(7, 45, 20) }
```

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

```
.background{ background-color: rgb(7, 45,  
20) }
```

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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