

# Converting Colors

YIQ(34.4280, -13.2490, -7.6890)

Have a look what the booklet for  
YIQ(34.4280, -13.2490, -7.6890)  
contains.

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# Color

**YIQ(34.4280, -13.2490,  
-7.6890)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 112B24                     |
| RGB         | 17, 43, 36                 |
| RGB Percent | 7%, 17%, 14%               |
| CMY         | 0.9334, 0.8313, 0.8589     |
| CMYK        | 0.61, 0.00, 0.16, 0.83     |
| HSL         | 164°, 43%, 12%             |
| HSV         | 164°, 61%, 17%             |
| XYZ         | 1.4134, 1.9749, 1.9748     |
| YIQ         | 34.4280, -13.2490, -7.6890 |

# Conversions

## Conversions Part 2

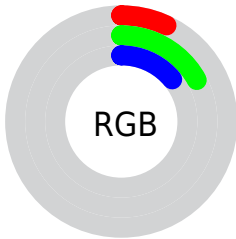
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>RYB</b>                          | 17, 32, 43                   |
| Decimal                             | 1125156                      |
| CIELab                              | 15.35, -12.20, 1.51          |
| CIElCh                              | 15, 12.289, 172.930          |
| Yxy                                 | 1.9749, 0.2635,<br>0.3682    |
| Android<br>(android.graphics.Color) | 4279315236<br>(0xFF112B24)   |
| YUV                                 | 34.4280, 0.7750,<br>-15.2844 |
| Hunter-Lab                          | 14.0530, -6.6399,<br>1.5054  |

# Details

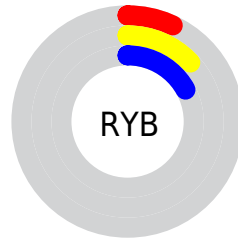
The YIQ color **34.4280, -13.2490, -7.6890** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **25.5720, 13.2490, 7.6890**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **79.6020, -13.7990, -8.7350**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **33.1180, -15.3120, -8.8480**, and if you desaturate by 10%, it is **35.7380, -11.1860, -6.5300**.

# Distribution



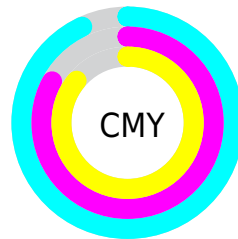
- Red (7%)
- Green (17%)
- Blue (14%)



- Red (7%)
- Yellow (13%)
- Blue (17%)



- Cyan (61%)
- Magenta (0%)
- Yellow (16%)
- Black (83%)



- Cyan (93%)
- Magenta (83%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 34.4280, -13.2490, -7.6890 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 34.4280, -13.2490, -7.6890 by changing the saturation by 10% instead.



■ 34.4280, -13.2490,  
-7.6890

■ 34.4280, -13.2490,  
-7.6890

■ 252.3090, -5.3640,  
-1.9080

■ 15.2110, -11.1400,  
-7.3640

■ 79.6020, -13.7990,  
-8.7350

■ 0.0000, 0.0000,  
0.0000

■ 103.6020,  
-13.7990, -8.7350


■ 129.3030,  
-14.3950, -8.9470


■ 155.0040,  
-14.9910, -9.1590


■ 181.8900,  
-14.6700, -9.4700


■ 209.5910,


-15.2660, -9.6820


 238.1780,  
-15.5410, -10.2050


 34.4280, -13.2490,  
-7.6890


 34.4280, -13.2490,  
-7.6890


 33.1180, -15.3120,  
-8.8480


 35.7380, -11.1860,  
-6.5300


 31.5090, -17.9710,  
-10.2190


 37.3470, -8.5270,  
-5.1590

 30.1990, -20.0340,  
-11.3780

 38.6570, -6.4640,  
-4.0000

 28.7750, -21.7760,  
-12.8480

 40.0810, -4.7220,  
-2.5300

 41.3910, -2.6590,  
-1.3710

■ 43.0000, -0.0000,  
-0.0000

■ 44.3100, 2.0630,  
1.1590

■ 45.6200, 4.1260,  
2.3180

■ 47.2290, 6.7850,  
3.6890

# Harmonies

## Analogous

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



35.9190, -4.4460, -7.5340



34.4280, -13.2490, -7.6890



33.0620, -20.9060, -6.5860

# Triad

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



34.4280, -13.2490, -7.6890



38.9380, -5.4570, 5.2870



38.6550, 14.2130, 1.2290

# Complementary

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



34.4280, -13.2490, -7.6890



25.5720, 13.2490, 7.6890

# 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.



39.1760, 14.3040, 5.0880



34.4280, -13.2490, -7.6890



39.5970, 2.9330, 7.4210

# Square

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



34.4280, -13.2490, -7.6890



36.6270, -14.9470, 1.0610



39.6040, 10.2230, 7.4630



37.8670, 10.5000, -3.0680



# Rectangle

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



34.4280, -13.2490, -7.6890



33.0450, -22.2360, -4.5080



39.6040, 10.2230, 7.4630



38.5950, 14.4420, 2.5860

# Sweetspot

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



34.4280, -13.2490, -7.6890



52.6680, -4.9970, -3.0530



34.3550, -2.9780, -12.1140



25.9780, -2.9340, -1.8940



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000



# Same Dimension

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



34.4280, -13.2490, -7.6890



42.4870, -20.9050, -12.1130



31.7040, -13.8460, -2.3740



19.4020, -1.1920, -0.4240



56.2620, -42.6810, -24.9610



142.1140, -108.0550, -62.6710



# Inverse Universe

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



25.5720, 13.2490, 7.6890



28.5130, 20.9050, 12.1130



28.2960, 13.8460, 2.3740



18.7120, 0.8710, 0.7350



27.7380, 42.6810, 24.9610



69.8860, 108.0550, 62.6710



# Previews

## White Background



This preview shows how the YIQ color 34.4280, -13.2490, -7.6890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

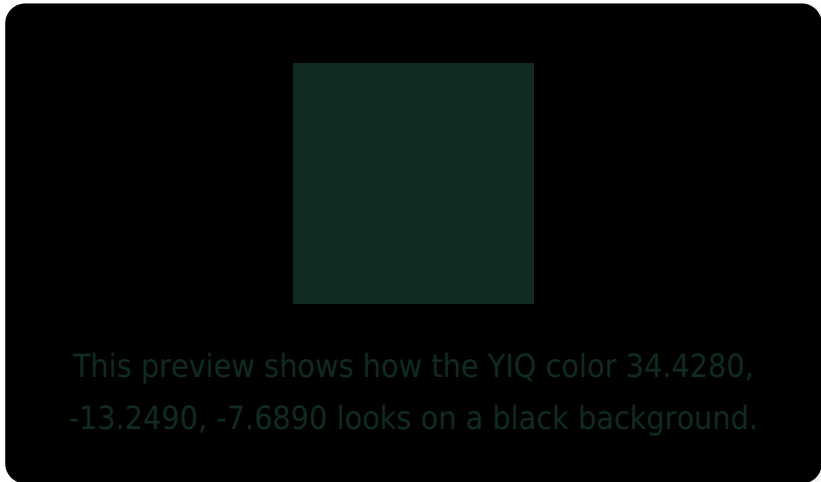
Any Text WCAG AA ✓ Pass

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

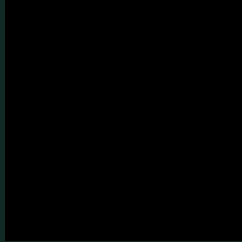
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 34.4280, -13.2490, -7.6890**

## **Background**



This preview shows how black text looks on a background with the YIQ color 34.4280, -13.2490, -7.6890.



This preview shows how white text looks on a background with the YIQ color 34.4280, -13.2490,

-7.6890.

# 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

34.4280, -13.2490, -7.6890

### Protanopia

38.1420, 2.4760, -0.8200

### Deuteranopia

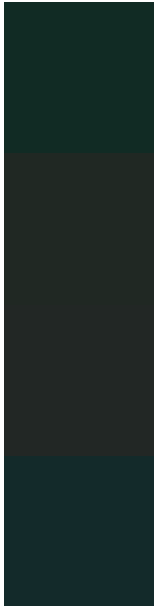
38.7940, 3.5760, 1.2720



## Tritanopia

35.7640, -14.0750, -3.7310

# Trichromacy



## Original Color

34.4280, -13.2490, -7.6890

## Protanomaly

37.0380, -3.1630, -3.2510

## Deuteranomaly

37.2770, -2.3380, -1.6820

## Tritanomaly

35.1230, -13.7080, -4.8760

# Monochromacy



## Original Color

34.4280, -13.2490, -7.6890

## Achromatopsia

34.0000, -0.0000, 0.0000

## Achromatomaly

34.0810, -4.7220, -2.5300

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.4280, -13.2490, -7.6890 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(17, 43, 36)` looks like.

```
.text, #text, p{  
    color:rgb(17, 43, 36)  
}
```

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(17, 43, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 43, 36) }
```

## Border

The CSS property to change the border of an element to YIQ 34.4280, -13.2490, -7.6890 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(17, 43, 36) }
```



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

```
.border{ border-color:rgb(17, 43, 36) }
```

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

Here you see how a box with a 4 pixel rgb(17, 43, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 43, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 43, 36);  
box-shadow:4px 4px 4px 4px rgb(17, 43, 36)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 34.4280, -13.2490, -7.6890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 43, 36) }
```

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

```
.background{ background-color: rgb(17, 43,  
36) }
```

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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