

# Converting Colors

YIQ(38.2280, -9.8100, -9.4420)

Have a look what the booklet for  
YIQ(38.2280, -9.8100, -9.4420)  
contains.

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# Color

**YIQ(38.2280, -9.8100,  
-9.4420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	172F21
RGB	23, 47, 33
RGB Percent	9%, 18%, 13%
CMY	0.9099, 0.8156, 0.8706
CMYK	0.51, 0.00, 0.30, 0.82
HSL	145°, 34%, 14%
HSV	145°, 51%, 18%
XYZ	1.6443, 2.3256, 1.8005
YIQ	38.2280, -9.8100, -9.4420

# Conversions

## Conversions Part 2

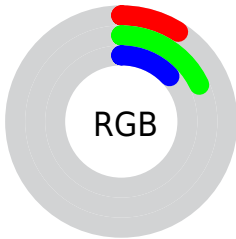
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 40, 47
Decimal	1519393
CIE <sub>Lab</sub>	17.11, -13.40, 6.13
CIE <sub>LCh</sub>	17, 14.739, 155.410
Yxy	2.3256, 0.2850, 0.4030
Android (android.graphics.Color)	4279709473 (0xFF172F21)
YUV	38.2280, -2.5774, -13.3550
Hunter-Lab	15.2498, -7.4405, 3.6745

# Details

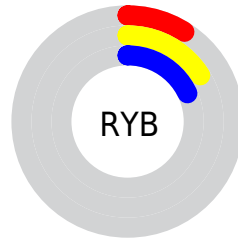
The YIQ color **38.2280, -9.8100, -9.4420** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **31.7720, 9.8100, 9.4420**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **83.4020, -10.3600, -10.4880**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.3910, -11.8270, -11.4350**, and if you desaturate by 10%, it is **40.0650, -7.7930, -7.4490**.

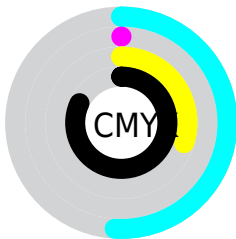
# Distribution



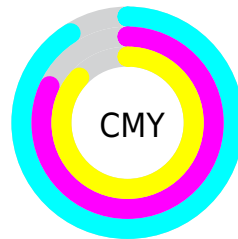
- Red (9%)
- Green (18%)
- Blue (13%)



- Red (9%)
- Yellow (16%)
- Blue (18%)



- Cyan (51%)
- Magenta (0%)
- Yellow (30%)
- Black (82%)



- Cyan (91%)
- Magenta (82%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.2280, -9.8100, -9.4420 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 38.2280, -9.8100, -9.4420 by changing the saturation by 10% instead.



■ 38.2280, -9.8100,  
-9.4420

■ 38.2280, -9.8100,  
-9.4420

■ 254.4020, -1.1920,  
-0.4240

■ 16.9890, -10.6350,  
-11.0110

■ 83.4020, -10.3600,  
-10.4880

■ 0.0000, 0.0000,  
0.0000

■ 107.9890,  
-10.6350, -11.0110


■ 133.5760,  
-10.9100, -11.5340


■ 159.5760,  
-10.9100, -11.5340


■ 186.2770,  
-11.5060, -11.7460


■ 214.1630,


-11.1850, -12.0570


 242.7500,  
-11.4600, -12.5800


 38.2280, -9.8100,  
-9.4420


 38.2280, -9.8100,  
-9.4420


 36.3910, -11.8270,  
-11.4350


 40.0650, -7.7930,  
-7.4490


 34.9670, -13.5690,  
-12.9050


 41.4890, -6.0510,  
-5.9790


 33.1300, -15.5860,  
-14.8980

 43.3260, -4.0340,  
-3.9860

 31.2930, -17.6030,  
-16.8910

 45.1630, -2.0170,  
-1.9930

 29.8690, -19.3450,  
-18.3610

 46.7010, -0.5960,  
-0.2120

■ 48.4240, 1.7420,  
1.4700

■ 50.2610, 3.7590,  
3.4630

■ 52.0980, 5.7760,  
5.4560

■ 53.6360, 7.1970,  
7.2370

# Harmonies

## Analogous

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



40.0290, 1.0560, -8.1280



38.2280, -9.8100, -9.4420



35.5840, -22.5560, -9.7240

# Triad

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



38.2280, -9.8100, -9.4420



41.3930, -14.1680, 3.4640



42.5030, 17.6970, 4.1690

# Complementary

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



38.2280, -9.8100, -9.4420



31.7720, 9.8100, 9.4420

# 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.



43.1700, 14.4410, 8.1130



38.2280, -9.8100, -9.4420



43.3730, -2.2480, 7.7040

# Square

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



38.2280, -9.8100, -9.4420



37.2450, -25.6750, -2.7550



43.4020, 7.9760, 9.6400



41.6720, 15.5430, -0.8490



# Rectangle

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



38.2280, -9.8100, -9.4420



34.2890, -28.9750, -9.0310



43.4020, 7.9760, 9.6400



42.6710, 17.2840, 6.1480

# Sweetspot

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



38.2280, -9.8100, -9.4420



57.7390, -3.7590, -3.4630



41.2740, 1.7440, -9.5840



28.7500, -2.2920, -2.5160



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.



38.2280, -9.8100, -9.4420



47.4290, -14.9900, -14.6860



39.5960, -13.6620, -5.7100



22.2880, -0.8710, -0.7350



55.1730, -35.4810, -34.3050



135.7640, -87.4190, -84.2430



# Inverse Universe

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



31.7720, 9.8100, 9.4420



37.5710, 14.9900, 14.6860



30.4040, 13.6620, 5.7100



21.7120, 0.8710, 0.7350



31.8270, 35.4810, 34.3050



78.2360, 87.4190, 84.2430



# Previews

## White Background



This preview shows how the YIQ color 38.2280, -9.8100, -9.4420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

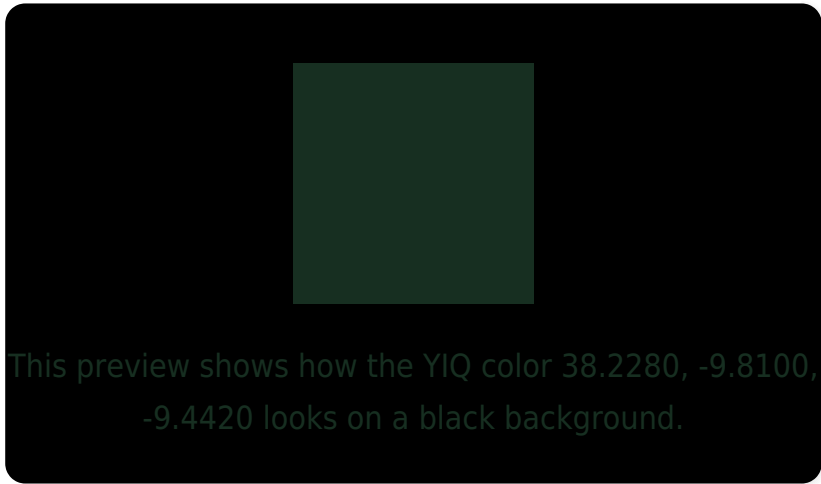
Any Text WCAG AA ✓ Pass

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

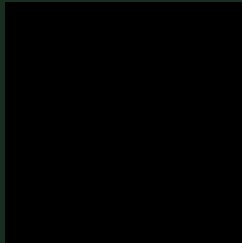
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 38.2280, -9.8100, -9.4420**

## **Background**



This preview shows how black text looks on a background with the YIQ color 38.2280, -9.8100, -9.4420.



This preview shows how white text looks on a background with the YIQ color 38.2280, -9.8100, -9.4420.

-9.4420.

# 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

38.2280, -9.8100, -9.4420

### Protanopia

41.6430, 5.3190, -2.7850

### Deuteranopia

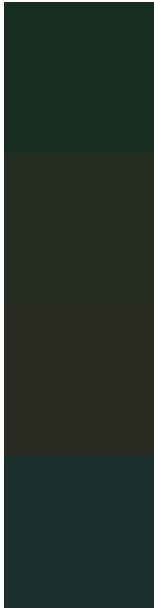
42.0070, 7.2900, 0.0420



## Tritanopia

40.0740, -12.0120, -2.5720

# Trichromacy



## Original Color

38.2280, -9.8100, -9.4420

## Protanomaly

40.5390, -0.3200, -5.2160

## Deuteranomaly

41.0770, 1.1010, -3.4350

## Tritanomaly

39.6780, -10.9570, -5.1730

# Monochromacy



## Original Color

38.2280, -9.8100, -9.4420

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

38.0380, -3.1630, -3.2510

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.2280, -9.8100, -9.4420 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(23, 47, 33)` looks like.

```
.text, #text, p{  
    color:rgb(23, 47, 33)  
}
```

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(23, 47, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 47, 33) }
```

## Border

The CSS property to change the border of an element to YIQ 38.2280, -9.8100, -9.4420 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(23, 47, 33) }
```



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

```
.border{ border-color:rgb(23, 47, 33) }
```

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

Here you see how a box with a 4 pixel rgb(23, 47, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 47, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 47, 33);  
box-shadow:4px 4px 4px 4px rgb(23, 47, 33)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 38.2280, -9.8100, -9.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 47, 33) }
```

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

```
.background{ background-color: rgb(23, 47,  
33) }
```

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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