

# Converting Colors

YIQ(37.1380, -18.0640, -3.0240)

Have a look what the booklet for  
YIQ(37.1380, -18.0640, -3.0240)  
contains.

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# Color

**YIQ(37.1380, -18.0640,  
-3.0240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	122C34
RGB	18, 44, 52
RGB Percent	7%, 17%, 20%
CMY	0.9295, 0.8274, 0.7962
CMYK	0.65, 0.15, 0.00, 0.80
HSL	194°, 49%, 14%
HSV	194°, 65%, 20%
XYZ	1.7697, 2.1784, 3.5737
YIQ	37.1380, -18.0640, -3.0240

# Conversions

## Conversions Part 2

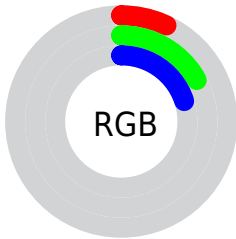
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 33, 52
Decimal	1190964
CIE <sub>Lab</sub>	16.40, -7.12, -8.18
CIE <sub>LCh</sub>	16, 10.843, 228.956
Yxy	2.1784, 0.2353, 0.2896
Android (android.graphics.Color)	4279381044 (0xFF122C34)
YUV	37.1380, 7.3270, -16.7840
Hunter-Lab	14.7594, -4.4267, -4.0242

# Details

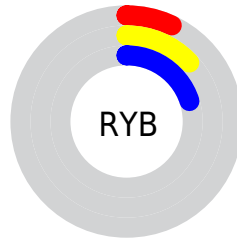
The YIQ color **37.1380, -18.0640, -3.0240** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **32.8620, 18.0640, 3.0240**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **83.1380, -18.0640, -3.0240**, and **0.5700, -1.6050, 1.5550** is the 20% darker color. If you saturate the color by 10%, you get **35.0560, -20.7690, -3.5610**, and if you desaturate by 10%, it is **39.2200, -15.3590, -2.4870**.

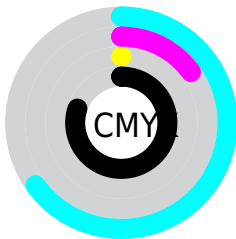
# Distribution



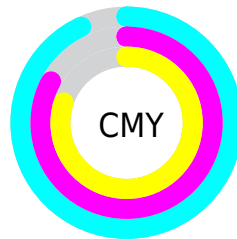
- Red (7%)
- Green (17%)
- Blue (20%)



- Red (7%)
- Yellow (13%)
- Blue (20%)



- Cyan (65%)
- Magenta (15%)
- Yellow (0%)
- Black (80%)



- Cyan (93%)
- Magenta (83%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 37.1380, -18.0640, -3.0240 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 37.1380, -18.0640, -3.0240 by changing the saturation by 10% instead.



■ 37.1380, -18.0640,  
-3.0240

■ 37.1380, -18.0640,  
-3.0240

■ 253.5050, -2.9800,  
-1.0600

■ 17.6220, -16.5510,  
-2.9110

■ 83.1380, -18.0640,  
-3.0240

■ 0.5700, -1.6050,  
1.5550

■ 107.2520,  
-18.3850, -2.7130

■ 0.0000, 0.0000,  
0.0000

■ 132.9530,  
-18.9810, -2.9250

■ 159.0670,  
-19.3020, -2.6140

■ 186.0670,  
-19.3020, -2.6140

■ 213.7680,

-19.8980, -2.8260

■ 241.3120,  
-18.6140, -4.0700

■ 37.1380, -18.0640,  
-3.0240

■ 37.1380, -18.0640,  
-3.0240

■ 35.0560, -20.7690,  
-3.5610

■ 39.2200, -15.3590,  
-2.4870

■ 32.9740, -23.4740,  
-4.0980

■ 41.3020, -12.6540,  
-1.9500

■ 30.0060, -26.5000,  
-4.3240

■ 44.2700, -9.6280,  
-1.7240

■ 29.4080, -27.6920,  
-4.7480

■ 46.3520, -6.9230,  
-1.1870

■ 48.4340, -4.2180,  
-0.6500

■ 50.5160, -1.5130,  
-0.1130

■ 53.1850, 0.9170,  
-0.0990

■ 55.5660, 4.2180,  
0.6500

■ 57.6480, 6.9230,  
1.1870

# Harmonies

## Analogous

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



36.6280, -16.6880, -5.9360



37.1380, -18.0640, -3.0240



39.1110, -13.4340, 1.1740

# Triad

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



37.1380, -18.0640, -3.0240



41.7070, 8.4350, 6.8270



39.8770, 4.5400, -5.1880

# Complementary

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



37.1380, -18.0640, -3.0240



32.8620, 18.0640, 3.0240

# 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.



40.5080, 10.1330, -1.9230



37.1380, -18.0640, -3.0240



41.3930, 12.1950, 4.7630

# Square

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



37.1380, -18.0640, -3.0240



41.8850, 2.0620, 6.6860



41.1710, 12.7000, 1.1160



38.8160, -2.6580, -6.8980



# Rectangle

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



37.1380, -18.0640, -3.0240



40.6170, -8.9870, 3.1810



41.1710, 12.7000, 1.1160



40.0730, 6.9240, -4.3400

# Sweetspot

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



37.1380, -18.0640, -3.0240



60.3520, -6.9230, -1.1870



38.8700, -11.9180, -15.2940



29.4340, -4.2180, -0.6500



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000



# Same Dimension

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



37.1380, -18.0640, -3.0240



43.7070, -27.0960, -4.5360



27.1590, -13.3890, 5.8670



24.5160, -1.5130, -0.1130



50.0620, -47.2690, -7.8850



122.1800, -115.3070, -19.3310



# Inverse Universe

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



31.1300, 11.9180, 15.2940



34.6950, 17.8770, 22.9410



42.8410, 13.3890, -5.8670



24.1250, 1.1460, 1.2580



34.3630, 31.2160, 40.0160

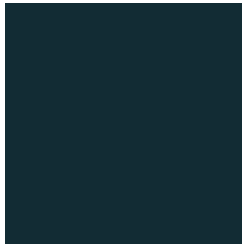


83.8070, 76.0460, 97.6300



# Previews

## White Background



This preview shows how the YIQ color 37.1380, -18.0640, -3.0240 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

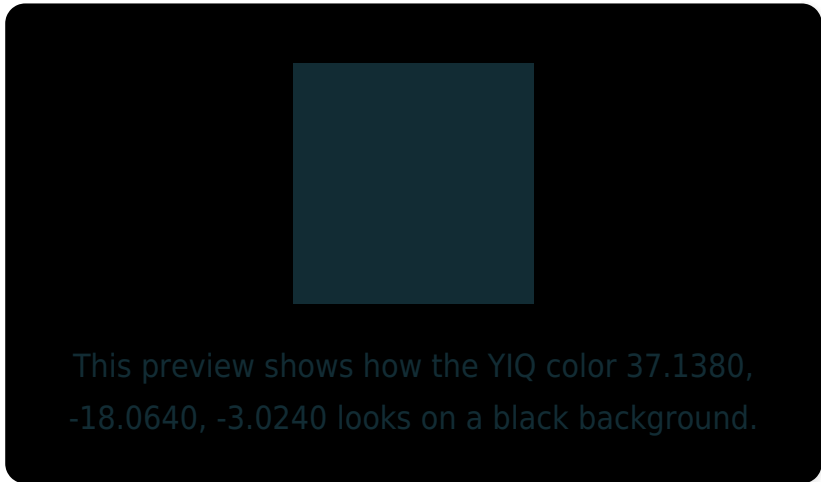
Any Text WCAG AA ✓ Pass

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

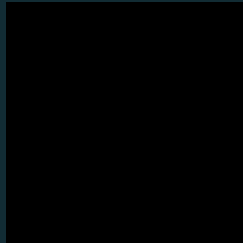
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 37.1380, -18.0640, -3.0240**

## **Background**



This preview shows how black text looks on a background with the YIQ color 37.1380, -18.0640, -3.0240.



This preview shows how white text looks on a background with the YIQ color 37.1380, -18.0640,

-3.0240.

# 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

37.1380, -18.0640, -3.0240

### Protanopia

40.7270, -3.4850, 2.5870

### Deuteranopia

40.8840, -5.3650, 3.6190



## Tritanopia

36.6710, -18.2470, -5.2150

# Trichromacy



## Original Color

37.1380, -18.0640, -3.0240

## Protanomaly

39.0360, -8.8490, 0.6790

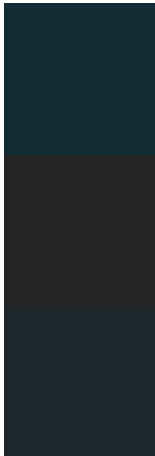
## Deuteranomaly

39.3780, -9.8120, 1.6120

## Tritanomaly

37.0840, -17.9720, -4.6920

# Monochromacy



## Original Color

37.1380, -18.0640, -3.0240

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

37.2380, -6.6020, -1.4980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 37.1380, -18.0640, -3.0240 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(18, 44, 52)` looks like.

```
.text, #text, p{  
    color:rgb(18, 44, 52)  
}
```

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(18, 44, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 44, 52) }
```

## Border

The CSS property to change the border of an element to YIQ 37.1380, -18.0640, -3.0240 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(18, 44, 52) }
```



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

```
.border{ border-color:rgb(18, 44, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 44, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 44, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 44, 52);  
box-shadow:4px 4px 4px 4px rgb(18, 44, 52)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 37.1380, -18.0640, -3.0240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 44, 52) }
```

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

```
.background{ background-color: rgb(18, 44,  
52) }
```

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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