

# Converting Colors

YIQ(38.0990, -22.3280, -2.8400)

Have a look what the booklet for  
YIQ(38.0990, -22.3280, -2.8400)  
contains.

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# Color

**YIQ(38.0990, -22.3280,  
-2.8400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0F2E3A
RGB	15, 46, 58
RGB Percent	6%, 18%, 23%
CMY	0.9412, 0.8196, 0.7726
CMYK	0.74, 0.21, 0.00, 0.77
HSL	197°, 59%, 14%
HSV	197°, 74%, 23%
XYZ	1.9373, 2.3617, 4.3534
YIQ	38.0990, -22.3280, -2.8400

# Conversions

## Conversions Part 2

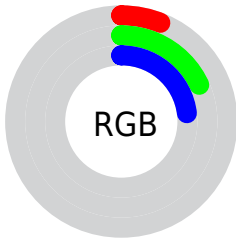
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 33, 58
Decimal	994874
CIELab	17.28, -6.87, -11.01
CIELCh	17, 12.977, 238.025
Yxy	2.3617, 0.2239, 0.2729
Android (android.graphics.Color)	4279184954 (0xFF0F2E3A)
YUV	38.0990, 9.8112, -20.2578
Hunter-Lab	15.3677, -4.3910, -6.0384

# Details

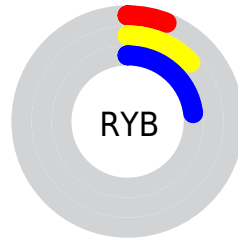
The YIQ color **38.0990, -22.3280, -2.8400** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **34.9010, 22.3280, 2.8400**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **84.8110, -21.4570, -2.1050**, and **2.2970, -5.0900, 4.1420** is the 20% darker color. If you saturate the color by 10%, you get **35.1310, -25.3540, -3.0660**, and if you desaturate by 10%, it is **41.0670, -19.3020, -2.6140**.

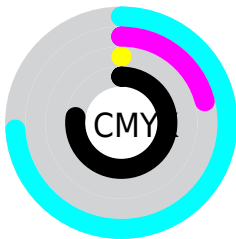
# Distribution



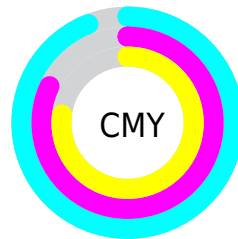
- Red (6%)
- Green (18%)
- Blue (23%)



- Red (6%)
- Yellow (13%)
- Blue (23%)



- Cyan (74%)
- Magenta (21%)
- Yellow (0%)
- Black (77%)



- Cyan (94%)
- Magenta (82%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.0990, -22.3280, -2.8400 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 38.0990, -22.3280, -2.8400 by changing the saturation by 10% instead.



■ 38.0990, -22.3280,  
-2.8400

■ 38.0990, -22.3280,  
-2.8400

■ 253.5050, -2.9800,  
-1.0600

■ 19.3660, -18.7060,  
-2.4020

■ 84.8110, -21.4570,  
-2.1050

■ 2.2970, -5.0900,  
4.1420

■ 108.9250,  
-21.7780, -1.7940

■ 0.0000, 0.0000,  
0.0000


■ 134.6260,  
-22.3740, -2.0060


■ 160.7400,  
-22.6950, -1.6950


■ 188.4410,  
-23.2910, -1.9070


■ 216.4410,


-23.2910, -1.9070


 243.0730,  
-19.4390, -5.6390


 38.0990, -22.3280,  
-2.8400


 38.0990, -22.3280,  
-2.8400


 35.1310, -25.3540,  
-3.0660


 41.0670, -19.3020,  
-2.6140


 32.7500, -28.6550,  
-3.8150

 43.4480, -16.0010,  
-1.8650

 31.2660, -30.1680,  
-3.9280

 46.1170, -13.5710,  
-1.8510

 48.4980, -10.2700,  
-1.1020

 51.4660, -7.2440,  
-0.8760

■ 54.4340, -4.2180,  
-0.6500

■ 56.8150, -0.9170,  
0.0990

■ 59.4840, 1.5130,  
0.1130

■ 62.4520, 4.5390,  
0.3390

# Harmonies

## Analogous

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



36.3930, -23.3360, -6.6000



38.0990, -22.3280, -2.8400



41.4530, -14.3970, 2.1070

# Triad

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



38.0990, -22.3280, -2.8400



43.3870, 12.3320, 7.7880



41.3390, 3.1190, -6.9690

# Complementary

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



38.0990, -22.3280, -2.8400



34.9010, 22.3280, 2.8400

# 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.



42.0410, 9.9500, -4.1140



38.0990, -22.3280, -2.8400



43.2470, 15.5420, 4.6780

# Square

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



38.0990, -22.3280, -2.8400



43.7930, 5.3170, 8.2690



43.0140, 14.5800, 0.0840



39.9080, -5.9130, -8.4810



# Rectangle

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



38.0990, -22.3280, -2.8400



42.2690, -7.8870, 5.2730



43.0140, 14.5800, 0.0840



41.5350, 5.5030, -6.1210

# Sweetspot

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



38.0990, -22.3280, -2.8400



68.9820, -8.7570, -0.9890



41.4950, -15.3560, -19.0680



33.2490, -5.1350, -0.5510



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



38.0990, -22.3280, -2.8400



45.2160, -35.8990, -4.6910



25.7720, -16.5530, 8.1430



26.5160, -1.5130, -0.1130



49.2300, -47.6820, -5.9060



117.7120, -113.7490, -14.5250



# Inverse Universe

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



31.3910, 15.6770, 18.7570



34.3310, 25.0740, 30.1780



47.2280, 16.5530, -8.1430



26.1250, 1.1460, 1.2580



35.0320, 33.6460, 40.0300

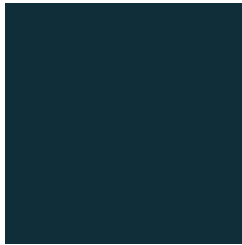


83.4930, 79.8060, 95.5660



# Previews

## White Background



This preview shows how the YIQ color 38.0990, -22.3280, -2.8400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

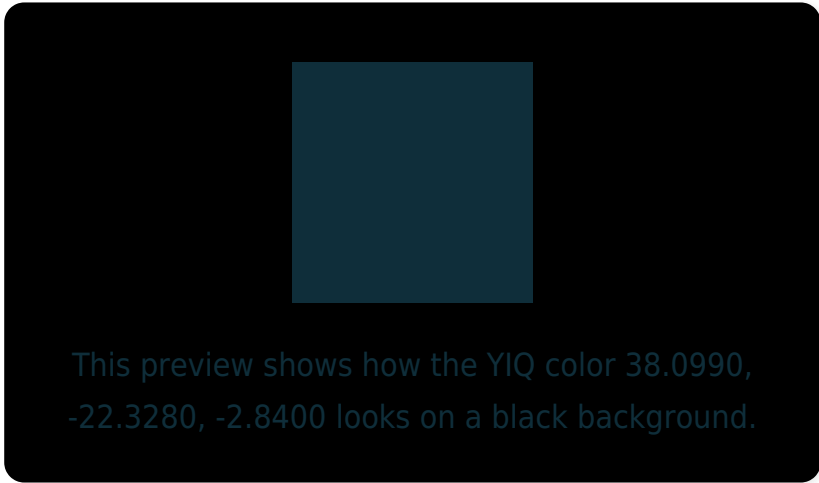
Any Text WCAG AA ✓ Pass

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

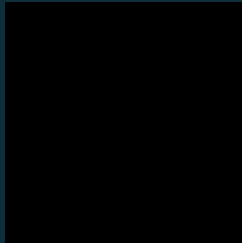
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

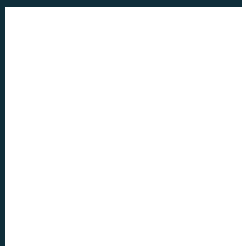
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**YIQ 38.0990, -22.3280, -2.8400**

## **Background**



This preview shows how black text looks on a background with the YIQ color 38.0990, -22.3280, -2.8400.



This preview shows how white text looks on a background with the YIQ color 38.0990, -22.3280,

-2.8400.

# 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

38.0990, -22.3280, -2.8400

### Protanopia

42.5850, -5.9610, 3.4070

### Deuteranopia

42.4430, -8.4370, 4.2270



## Tritanopia

36.0940, -23.9320, -6.8120

# Trichromacy



## Original Color

38.0990, -22.3280, -2.8400

## Protanomaly

40.5950, -11.9210, 1.2870

## Deuteranomaly

40.6380, -13.4800, 2.0080

## Tritanomaly

37.0340, -23.7030, -5.4550

# Monochromacy



## Original Color

38.0990, -22.3280, -2.8400

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

38.1670, -7.8400, -1.0880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.0990, -22.3280, -2.8400 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(15, 46, 58)` looks like.

```
.text, #text, p{  
    color:rgb(15, 46, 58)  
}
```

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(15, 46, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 46, 58) }
```

## Border

The CSS property to change the border of an element to YIQ 38.0990, -22.3280, -2.8400 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(15, 46, 58) }
```



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

```
.border{ border-color:rgb(15, 46, 58) }
```

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

Here you see how a box with a 4 pixel rgb(15, 46, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 46, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 46, 58);  
box-shadow:4px 4px 4px 4px rgb(15, 46, 58)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 38.0990, -22.3280, -2.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 46, 58) }
```

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

```
.background{ background-color: rgb(15, 46,  
58) }
```

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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