

Converting Colors

YIQ(37.3310, -11.5980,
-10.0780)

Have a look what the booklet for
YIQ(37.3310, -11.5980, -10.0780)
contains.

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Color

**YIQ(37.3310, -11.5980,
-10.0780)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 142F21 |
| RGB | 20, 47, 33 |
| RGB Percent | 8%, 18%, 13% |
| CMY | 0.9216, 0.8156, 0.8706 |
| CMYK | 0.57, 0.00, 0.30, 0.82 |
| HSL | 149°, 40%, 13% |
| HSV | 149°, 57%, 18% |
| XYZ | 1.5795, 2.2922, 1.7974 |
| YIQ | 37.3310, -11.5980, -10.0780 |

Conversions

Conversions Part 2

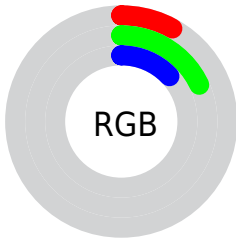
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 20, 38, 47 |
| Decimal | 1322785 |
| CIE _{Lab} | 16.95, -14.44, 5.89 |
| CIE _{LCh} | 17, 15.594, 157.812 |
| Yxy | 2.2922, 0.2786, 0.4043 |
| Android (android.graphics.Color) | 4279512865 (0xFF142F21) |
| YUV | 37.3310, -2.1352, -15.1993 |
| Hunter-Lab | 15.1401, -7.8733, 3.5593 |

Details

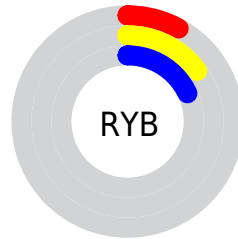
The YIQ color **37.3310, -11.5980, -10.0780** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **29.6690, 11.5980, 10.0780**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **82.8040, -11.5520, -10.9120**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **35.6080, -13.9360, -11.7600**, and if you desaturate by 10%, it is **39.0540, -9.2600, -8.3960**.

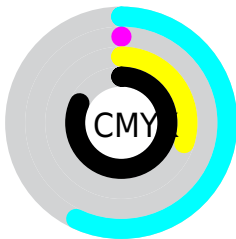
Distribution



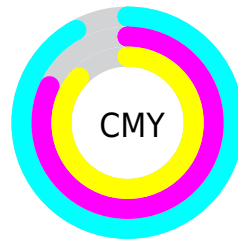
- Red (8%)
- Green (18%)
- Blue (13%)



- Red (8%)
- Yellow (15%)
- Blue (18%)



- Cyan (57%)
- Magenta (0%)
- Yellow (30%)
- Black (82%)



- Cyan (92%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.3310, -11.5980, -10.0780 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 37.3310, -11.5980, -10.0780 by changing the saturation by 10% instead.

■ 37.3310, -11.5980,
-10.0780

■ 37.3310, -11.5980,
-10.0780

■ 253.2060, -3.5760,
-1.2720

■ 16.9890, -10.6350,
-11.0110

■ 82.8040, -11.5520,
-10.9120

■ 0.0000, 0.0000,
0.0000

■ 107.0920,
-12.4230, -11.6470


■ 132.6790,
-12.6980, -12.1700


■ 158.6790,
-12.6980, -12.1700


■ 185.6790,
-12.6980, -12.1700


■ 213.8530,


-13.2480, -13.2160


 241.8530,
-13.2480, -13.2160


 37.3310, -11.5980,
-10.0780


 37.3310, -11.5980,
-10.0780


 35.6080, -13.9360,
-11.7600


 39.0540, -9.2600,
-8.3960


 34.0700, -15.3570,
-13.5410


 40.5920, -7.8390,
-6.6150


 32.3470, -17.6950,
-15.2230

 42.3150, -5.5010,
-4.9330

 30.5100, -19.7120,
-17.2160

 44.1520, -3.4840,
-2.9400

 30.2110, -20.3080,
-17.4280

 45.5760, -1.7420,
-1.4700

■ 47.4130, 0.2750,
0.5230

■ 49.1360, 2.6130,
2.2050

■ 50.9730, 4.6300,
4.1980

■ 52.3970, 6.3720,
5.6680

Harmonies

Analogous

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



39.3170, 0.1850, -8.8630



37.3310, -11.5980, -10.0780



34.0890, -25.5360, -10.7840

Triad

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



37.3310, -11.5980, -10.0780



40.9200, -14.2140, 4.2980



42.3890, 18.0180, 3.8580

Complementary

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



37.3310, -11.5980, -10.0780



29.6690, 11.5980, 10.0780

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.



42.6540, 15.9540, 8.2260



37.3310, -11.5980, -10.0780



43.0850, -1.3770, 8.4390

Square

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



37.3310, -11.5980, -10.0780



35.8750, -27.5090, -2.5570



43.0000, 9.1680, 10.0640



41.4440, 16.1850, -1.4710

Rectangle

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



37.3310, -11.5980, -10.0780



33.5170, -29.6170, -8.4090



43.0000, 9.1680, 10.0640



42.4430, 17.9260, 5.5260

Sweetspot

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



37.3310, -11.5980, -10.0780



57.4400, -4.3550, -3.6750



40.0350, 0.9190, -11.1530



28.4510, -2.8880, -2.7280



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.



37.3310, -11.5980, -10.0780



45.9340, -17.9700, -15.7460



38.8130, -15.7710, -6.0350



22.2880, -0.8710, -0.7350



55.8570, -37.4070, -32.4390



137.3600, -91.9130, -79.8890

Inverse Universe

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



29.6690, 11.5980, 10.0780



34.0660, 17.9700, 15.7460



28.1870, 15.7710, 6.0350



21.7120, 0.8710, 0.7350



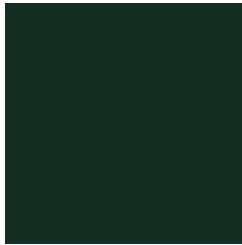
31.1430, 37.4070, 32.4390



76.6400, 91.9130, 79.8890

Previews

White Background



This preview shows how the YIQ color 37.3310, -11.5980, -10.0780 looks on a white background.

Color Contrast Check

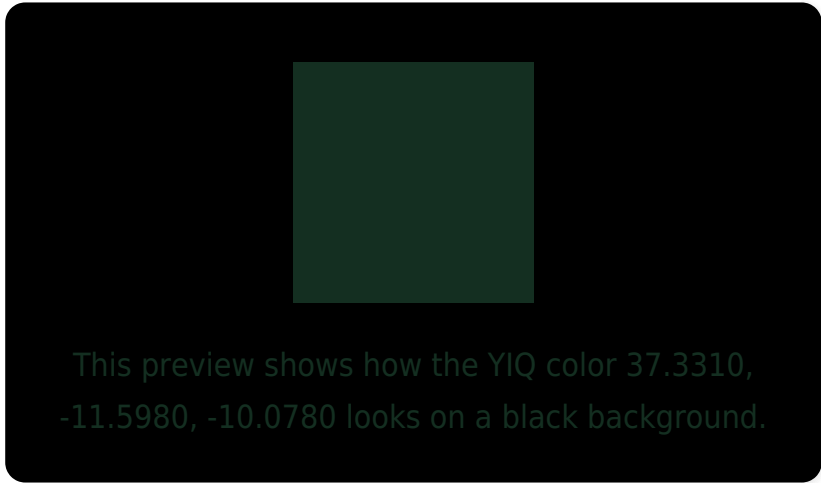
Large Text (above 18pt) WCAG AA ✓ Pass

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

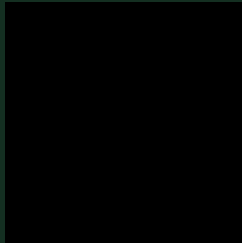
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.3310, -11.5980, -10.0780

Background



This preview shows how black text looks on a background with the YIQ color 37.3310, -11.5980, -10.0780.



This preview shows how white text looks on a background with the YIQ color 37.3310, -11.5980,

-10.0780.

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

37.3310, -11.5980, -10.0780

Protanopia

41.6430, 5.3190, -2.7850

Deuteranopia

41.7080, 6.6940, -0.1700



Tritanopia

39.4760, -13.2040, -2.9960

Trichromacy



Original Color

37.3310, -11.5980, -10.0780

Protanomaly

40.2400, -0.9160, -5.4280

Deuteranomaly

40.4790, -0.0910, -3.8590

Tritanomaly

38.7810, -12.7450, -5.8090

Monochromacy



Original Color

37.3310, -11.5980, -10.0780

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.4400, -4.3550, -3.6750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.3310, -11.5980, -10.0780 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(20, 47, 33)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 47, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 47, 33) }
```

Border

The CSS property to change the border of an element to YIQ 37.3310, -11.5980, -10.0780 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(20, 47, 33) }
```


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

```
.border{ border-color:rgb(20, 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(20, 47, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 47, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 47, 33);  
box-shadow:4px 4px 4px 4px rgb(20, 47, 33)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.3310, -11.5980, -10.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 47, 33) }
```

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

```
.background{ background-color: rgb(20, 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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