

Converting Colors

YIQ(37.8410, -3.8060, 2.8980)

Have a look what the booklet for
YIQ(37.8410, -3.8060, 2.8980)
contains.

YIQ(37.8410, -3.8060, 2.8980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(37.8410, -3.8060,
2.8980)**

Conversions

Conversions Part 1

Format	Color
Hex	24252F
RGB	36, 37, 47
RGB Percent	14%, 15%, 18%
CMY	0.8588, 0.8549, 0.8157
CMYK	0.23, 0.21, 0.00, 0.82
HSL	235°, 13%, 16%
HSV	235°, 23%, 18%
XYZ	1.9021, 1.9034, 2.9559
YIQ	37.8410, -3.8060, 2.8980

Conversions

Conversions Part 2

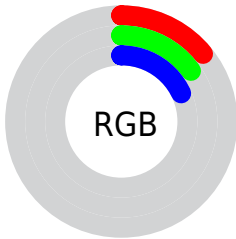
Format	Color
R_YB	36, 37, 47
Decimal	2368815
CIE _{Lab}	14.97, 2.25, -6.71
CIE _{LCh}	15, 7.075, 288.533
Yxy	1.9034, 0.2813, 0.2815
Android (android.graphics.Color)	4280558895 (0xFF24252F)
YUV	37.8410, 4.5154, -1.6146
Hunter-Lab	13.7965, 0.4661, -3.0451

Details

The YIQ color **37.8410, -3.8060, 2.8980** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45.1590, 3.8060, -2.8980**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.9550, -4.1270, 3.2090**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **33.9980, -5.6860, 3.9300**, and if you desaturate by 10%, it is **41.6840, -1.9260, 1.8660**.

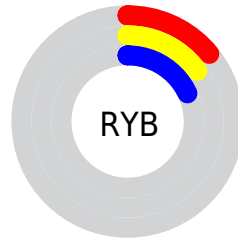
Distribution




 Red (14%)

 Green (15%)

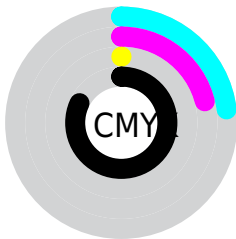
 Blue (18%)




 Red (14%)

 Yellow (15%)

 Blue (18%)

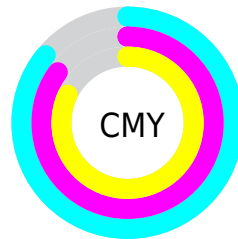



 Cyan (23%)


 Magenta (21%)

 Yellow (0%)

 Black (82%)



 Cyan (86%)

 Magenta (85%)

 Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.8410, -3.8060, 2.8980 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 37.8410, -3.8060, 2.8980 by changing the saturation by 10% instead.

■ 37.8410, -3.8060,
2.8980

■ 37.8410, -3.8060,
2.8980

■ 255.0000, -0.0000,
-0.0000

■ 16.8410, -3.8060,
2.8980

■ 82.9550, -4.1270,
3.2090

■ 0.0000, 0.0000,
0.0000

■ 106.9550, -4.1270,
3.2090

■ 132.0690, -4.4480,
3.5200

■ 158.1830, -4.7690,
3.8310

■ 185.1830, -4.7690,
3.8310

■ 212.5960, -4.4940,

4.3540

■ 241.1830, -4.7690,
3.8310

■ 37.8410, -3.8060,
2.8980

■ 37.8410, -3.8060,
2.8980

■ 33.9980, -5.6860,
3.9300

■ 41.6840, -1.9260,
1.8660

■ 29.8670, -6.6950,
5.6970

■ 45.8150, -0.9170,
0.0990

■ 26.0240, -8.5750,
6.7290

■ 49.6580, 0.9630,
-0.9330

■ 22.1810, -10.4550,
7.7610

■ 53.5010, 2.8430,
-1.9650

■ 18.6370, -11.7390,
9.0050

■ 57.0450, 4.1270,
-3.2090

■ 14.2070, -13.3440,
10.5600

■ 61.4750, 5.7320,
-4.7640

■ 10.3640, -15.2240,
11.5920

■ 65.3180, 7.6120,
-5.7960

■ 7.7060, -16.1870,
12.5250

■ 69.1610, 9.4920,
-6.8280

■ 72.7050, 10.7760,
-8.0720

Harmonies

Analogous

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



36.9220, -8.5280, 0.3680



37.8410, -3.8060, 2.8980



38.1190, 1.2830, 4.2830

Triad

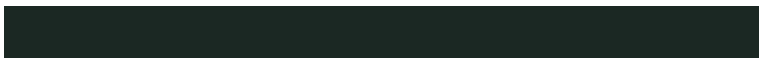
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.8410, -3.8060, 2.8980



38.0180, 8.7570, 0.9890



35.5430, -6.1430, -4.3110

Complementary

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



37.8410, -3.8060, 2.8980



45.1590, 3.8060, -2.8980

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.



36.5820, -1.8790, -4.4950



37.8410, -3.8060, 2.8980



37.7680, 6.4650, -1.5270

Square

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



37.8410, -3.8060, 2.8980



38.3000, 8.0230, 3.2790



36.8600, 3.2100, -3.1100



35.3300, -9.8570, -3.0810

Rectangle

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



37.8410, -3.8060, 2.8980



38.6740, 4.0340, 3.9860



36.8600, 3.2100, -3.1100



36.0270, -4.6300, -4.1980

Sweetspot

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



37.8410, -3.8060, 2.8980



57.4560, -1.2840, 1.2440



43.5970, -6.2350, -2.6430



28.3420, -0.9630, 0.9330



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.



37.8410, -3.8060, 2.8980



47.1120, -6.0070, 4.2410



38.4500, -1.1470, 4.2690



21.2280, -0.6420, 0.6220



14.6140, -30.1270, 22.8730



35.5490, -73.9190, 56.6170

Inverse Universe

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



39.4030, 6.2350, 2.6430



49.3110, 9.4900, 4.2260



44.5500, 1.1470, -4.2690



21.5980, 1.1920, 0.4240



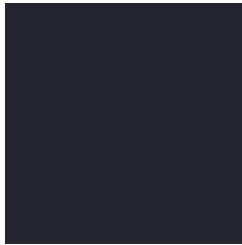
26.9250, 49.2840, 20.9320



66.1520, 121.4450, 51.2770

Previews

White Background



This preview shows how the YIQ color 37.8410, -3.8060, 2.8980 looks on a white background.

Color Contrast Check

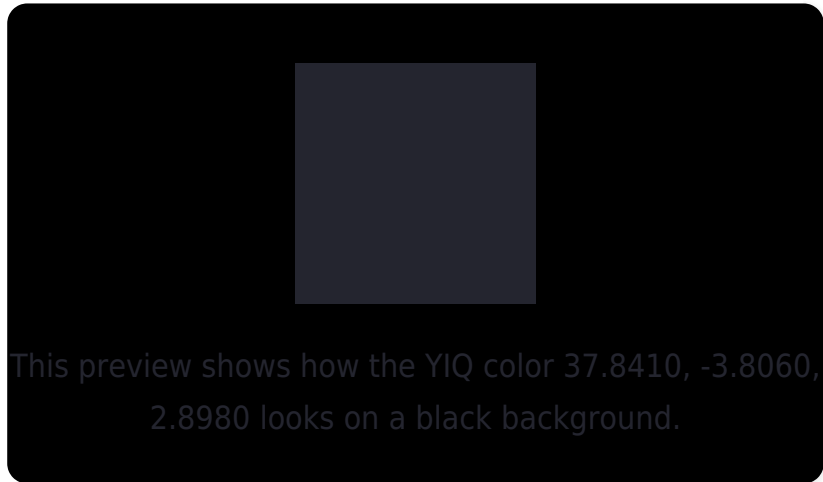
Large Text (above 18pt) WCAG AA ✓ Pass

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

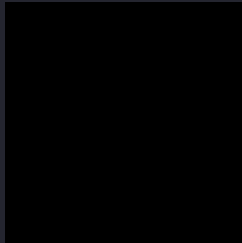
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

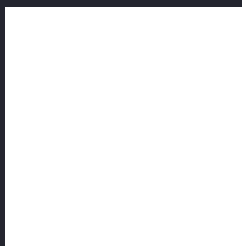
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 37.8410, -3.8060, 2.8980

Background



This preview shows how black text looks on a background with the YIQ color 37.8410, -3.8060, 2.8980.

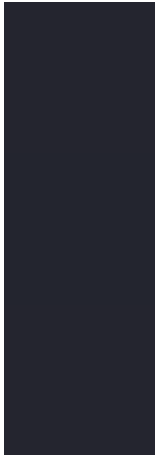


This preview shows how white text looks on a background with the YIQ color 37.8410, -3.8060,

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

37.8410, -3.8060, 2.8980

Protanopia

37.5420, -4.4020, 2.6860

Deuteranopia

37.8410, -3.8060, 2.8980



Tritanopia

37.4450, -2.7510, 0.2970

Trichromacy



Original Color

37.8410, -3.8060, 2.8980

Protanomaly

37.5420, -4.4020, 2.6860

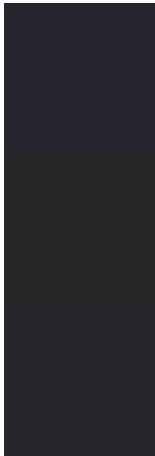
Deuteranomaly

37.8410, -3.8060, 2.8980

Tritanomaly

37.6730, -3.3930, 0.9190

Monochromacy



Original Color

37.8410, -3.8060, 2.8980

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.0430, -1.5590, 0.7210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.8410, -3.8060, 2.8980 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(36, 37, 47)` looks like.

```
.text, #text, p{  
    color:rgb(36, 37, 47)  
}
```

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(36, 37, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 37, 47) }
```

Border

The CSS property to change the border of an element to YIQ 37.8410, -3.8060, 2.8980 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(36, 37, 47) }
```


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

```
.border{ border-color:rgb(36, 37, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 37, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 37, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 37, 47);  
box-shadow:4px 4px 4px 4px rgb(36, 37, 47)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.8410, -3.8060, 2.8980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 37, 47) }
```

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

```
.background{ background-color: rgb(36, 37,  
47) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor