

Converting Colors

YIQ(37.1830, -4.7690, 3.8310)

Have a look what the booklet for
YIQ(37.1830, -4.7690, 3.8310)
contains.

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Color

**YIQ(37.1830, -4.7690,
3.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	232431
RGB	35, 36, 49
RGB Percent	14%, 14%, 19%
CMY	0.8627, 0.8588, 0.8079
CMYK	0.29, 0.27, 0.00, 0.81
HSL	236°, 17%, 16%
HSV	236°, 29%, 19%
XYZ	1.8783, 1.8408, 3.1612
YIQ	37.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

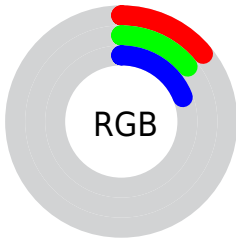
Format	Color
R_{YB}	35, 36, 49
Decimal	2303025
CIE Lab	14.63, 3.16, -8.66
CIE LCh	15, 9.220, 290.041
Yxy	1.8408, 0.2730, 0.2675
Android (android.graphics.Color)	4280493105 (0xFF232431)
YUV	37.1830, 5.8258, -1.9145
Hunter-Lab	13.5677, 0.9679, -4.3170

Details

The YIQ color **37.1830, -4.7690, 3.8310** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **46.8170, 4.7690, -3.8310**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.7100, -4.8150, 4.6650**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **32.7530, -6.3740, 5.3860**, and if you desaturate by 10%, it is **41.6130, -3.1640, 2.2760**.

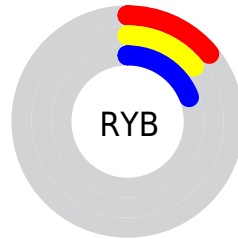
Distribution



Red (14%)

Green (14%)

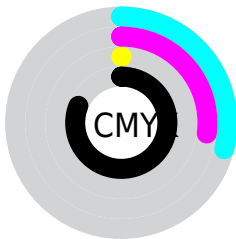
Blue (19%)



Red (14%)

Yellow (14%)

Blue (19%)

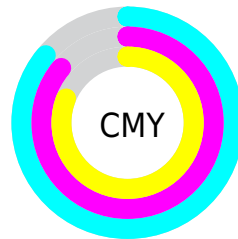


Cyan (29%)

Magenta (27%)

Yellow (0%)

Black (81%)



Cyan (86%)

Magenta (86%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.1830, -4.7690, 3.8310 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 37.1830, -4.7690, 3.8310 by changing the saturation by 10% instead.

■ 37.1830, -4.7690,
3.8310

■ 37.1830, -4.7690,
3.8310

■ 255.0000, -0.0000,
-0.0000

■ 16.1830, -4.7690,
3.8310

■ 81.7100, -4.8150,
4.6650

■ 0.0000, 0.0000,
0.0000

■ 105.8240, -5.1360,
4.9760

■ 131.5250, -5.7320,
4.7640

■ 157.5250, -5.7320,
4.7640

■ 183.9380, -5.4570,
5.2870

■ 211.9380, -5.4570,

5.2870

■ 239.9380, -5.4570,
5.2870

■ 37.1830, -4.7690,
3.8310

■ 37.1830, -4.7690,
3.8310

■ 32.7530, -6.3740,
5.3860

■ 41.6130, -3.1640,
2.2760

■ 28.9100, -8.2540,
6.4180

■ 45.4560, -1.2840,
1.2440

■ 24.4800, -9.8590,
7.9730

■ 49.8860, 0.3210,
-0.3110

■ 20.6370, -11.7390,
9.0050

■ 53.7290, 2.2010,
-1.3430

■ 16.5060, -12.7480,
10.7720

■ 57.8600, 3.2100,
-3.1100

■ 12.6630, -14.6280,
11.8040

■ 61.7030, 5.0900,
-4.1420

■ 8.2330, -16.2330,
13.3590

■ 66.1330, 6.6950,
-5.6970

■ 7.3470, -16.5540,
13.6700

■ 69.9760, 8.5750,
-6.7290

■ 74.4060, 10.1800,
-8.2840

Harmonies

Analogous

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



35.6660, -10.6830, 0.8770



37.1830, -4.7690, 3.8310



37.9450, 1.8330, 5.3290

Triad

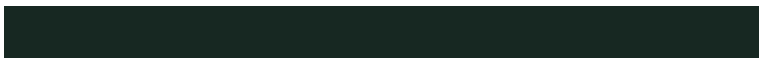
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.1830, -4.7690, 3.8310



37.3880, 10.5910, 0.7910



34.2330, -8.2060, -5.4700

Complementary

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



37.1830, -4.7690, 3.8310



46.8170, 4.7690, -3.8310

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.



35.0550, -1.8330, -5.3290



37.1830, -4.7690, 3.8310



37.0240, 8.6200, -2.0360

Square

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



37.1830, -4.7690, 3.8310



37.4960, 10.4070, 4.1270



36.2190, 3.5770, -4.2550



33.5360, -13.4330, -4.3530

Rectangle

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



37.1830, -4.7690, 3.8310



38.0980, 5.7760, 5.4560



36.2190, 3.5770, -4.2550



34.6030, -6.3720, -5.6680

Sweetspot

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



37.1830, -4.7690, 3.8310



58.6840, -1.9260, 1.8660



44.7000, -8.0230, -3.2790



30.3420, -0.9630, 0.9330



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.



37.1830, -4.7690, 3.8310



45.6820, -7.6120, 5.7960



38.3900, -0.9180, 5.6260



23.3420, -0.9630, 0.9330



13.6680, -30.2190, 24.5410



33.5430, -73.7820, 59.6420

Inverse Universe

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



39.3000, 8.0230, 3.2790



48.8060, 12.4700, 5.2860



45.6100, 0.9180, -5.6260



23.8970, 1.7880, 0.6360



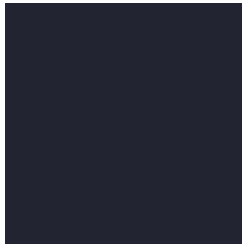
27.2950, 51.1180, 20.7340



66.5930, 124.5170, 50.6690

Previews

White Background



This preview shows how the YIQ color 37.1830, -4.7690, 3.8310 looks on a white background.

Color Contrast Check

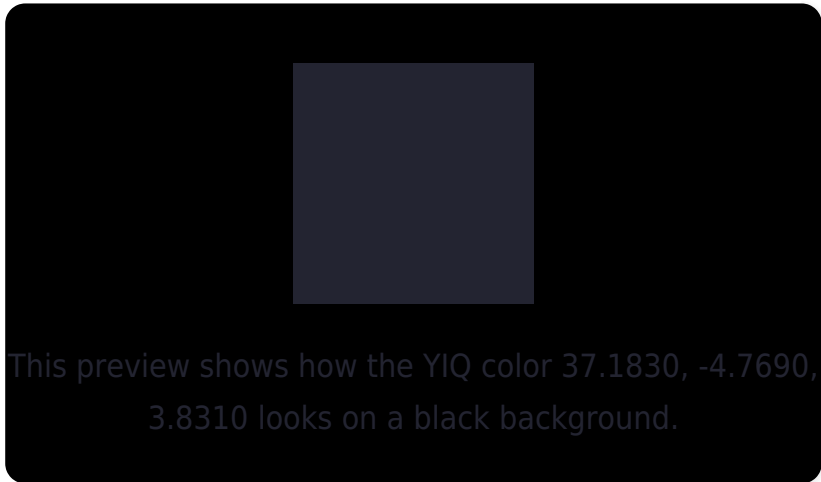
Large Text (above 18pt) WCAG AA ✓ Pass

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

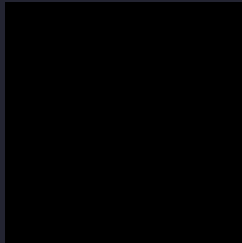
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

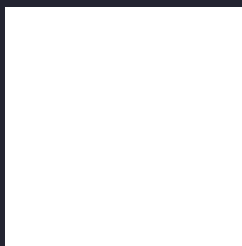
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 37.1830, -4.7690, 3.8310

Background



This preview shows how black text looks on a background with the YIQ color 37.1830, -4.7690, 3.8310.



This preview shows how white text looks on a background with the YIQ color 37.1830, -4.7690,

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

37.1830, -4.7690, 3.8310

Protanopia

36.5850, -5.9610, 3.4070

Deuteranopia

36.8840, -5.3650, 3.6190



Tritanopia

36.8470, -3.9430, -0.1270

Trichromacy



Original Color

37.1830, -4.7690, 3.8310

Protanomaly

36.8840, -5.3650, 3.6190

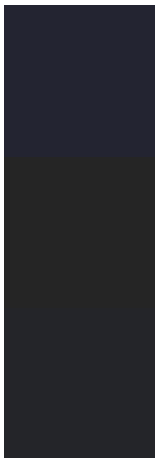
Deuteranomaly

36.8840, -5.3650, 3.6190

Tritanomaly

36.9010, -4.0350, 1.5410

Monochromacy



Original Color

37.1830, -4.7690, 3.8310

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.1570, -1.8800, 1.0320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.1830, -4.7690, 3.8310 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(35, 36, 49)` looks like.

```
.text, #text, p{  
    color:rgb(35, 36, 49)  
}
```

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(35, 36, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 36, 49) }
```

Border

The CSS property to change the border of an element to YIQ 37.1830, -4.7690, 3.8310 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(35, 36, 49) }
```


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

```
.border{ border-color:rgb(35, 36, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 36, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 36, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 36, 49);  
box-shadow:4px 4px 4px 4px rgb(35, 36, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.1830, -4.7690, 3.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 36, 49) }
```

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

```
.background{ background-color: rgb(35, 36,  
49) }
```

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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