

Converting Colors

YIQ(37.9730, 4.6300, 4.1980)

Have a look what the booklet for
YIQ(37.9730, 4.6300, 4.1980)
contains.

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Color

YIQ(37.9730, 4.6300, 4.1980)

Conversions

Conversions Part 1

Format	Color
Hex	2D2228
RGB	45, 34, 40
RGB Percent	18%, 13%, 16%
CMY	0.8235, 0.8667, 0.8431
CMYK	0.00, 0.24, 0.11, 0.82
HSL	327°, 14%, 15%
HSV	327°, 24%, 18%
XYZ	2.0375, 1.8551, 2.2585
YIQ	37.9730, 4.6300, 4.1980

Conversions

Conversions Part 2

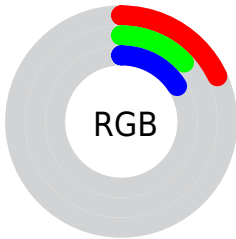
Format	Color
RYB	45, 34, 40
Decimal	2957864
CIELab	14.71, 6.54, -2.01
CIELCh	15, 6.837, 342.923
Yxy	1.8551, 0.3312, 0.3016
Android (android.graphics.Color)	4281147944 (0xFF2D2228)
YUV	37.9730, 0.9993, 6.1627
Hunter-Lab	13.6201, 2.8672, -0.2973

Details

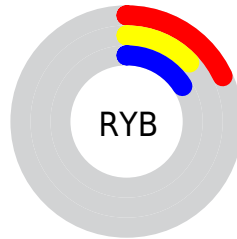
The YIQ color **37.9730, 4.6300, 4.1980** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **41.0270, -4.6300, -4.1980**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.6850, 5.5010, 4.9330**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.8100, 6.6470, 6.1910**, and if you desaturate by 10%, it is **40.5490, 2.8880, 2.7280**.

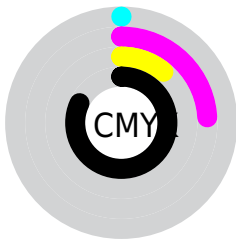
Distribution



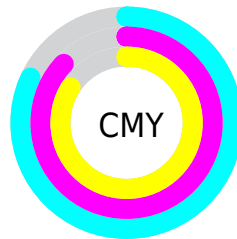
- Red (18%)
- Green (13%)
- Blue (16%)



- Red (18%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (24%)
- Yellow (11%)
- Black (82%)



- Cyan (82%)
- Magenta (87%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.9730, 4.6300, 4.1980 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 37.9730, 4.6300, 4.1980 by changing the saturation by 10% instead.

■ 37.9730, 4.6300,
4.1980

■ 37.9730, 4.6300,
4.1980

■ 255.0000, -0.0000,
-0.0000

■ 16.7990, 5.1800,
5.2440

■ 82.6850, 5.5010,
4.9330

■ 0.0000, 0.0000,
0.0000

■ 106.6850, 5.5010,
4.9330

■ 131.9840, 6.0970,
5.1450

■ 158.0980, 5.7760,
5.4560

■ 185.3970, 6.3720,
5.6680

■ 213.2830, 6.6930,

5.3570

241.3970, 6.3720,
5.6680

37.9730, 4.6300,
4.1980

37.9730, 4.6300,
4.1980

34.8100, 6.6470,
6.1910

40.5490, 2.8880,
2.7280

32.2340, 8.3890,
7.6610

43.7120, 0.8710,
0.7350

29.0710, 10.4060,
9.6540

46.2880, -0.8710,
-0.7350

26.4950, 12.1480,
11.1240

49.4510, -2.8880,
-2.7280

23.3320, 14.1650,
13.1170

52.6140, -4.9050,
-4.7210

■ 20.7560, 15.9070,
14.5870

■ 55.1900, -6.6470,
-6.1910

■ 17.5930, 17.9240,
16.5800

■ 58.3530, -8.6640,
-8.1840

■ 16.3050, 18.7950,
17.3150

■ 60.9290, -10.4060,
-9.6540

■ 64.0920, -12.4230,
-11.6470

Harmonies

Analogous

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



37.5210, 0.0910, 3.8590



37.9730, 4.6300, 4.1980



38.0010, 7.4270, 3.0670

Triad

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



37.9730, 4.6300, 4.1980



36.5720, 4.0810, -2.3750



34.9710, -10.2240, -1.9360

Complementary

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



37.9730, 4.6300, 4.1980



41.0270, -4.6300, -4.1980

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.



35.4010, -8.6190, -3.4910



37.9730, 4.6300, 4.1980



36.1800, -0.6870, -4.0710

Square

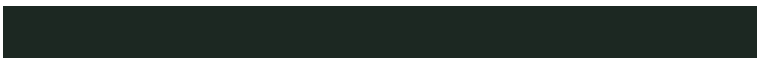
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.9730, 4.6300, 4.1980



37.1810, 6.7400, -1.0040



35.7280, -5.2260, -4.4100



35.9220, -8.5280, 0.3680

Rectangle

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



37.9730, 4.6300, 4.1980



37.6590, 8.3900, 2.1340



35.7280, -5.2260, -4.4100



35.4440, -10.1780, -2.7700

Sweetspot

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



37.9730, 4.6300, 4.1980



56.4240, 1.7420, 1.4700



36.7490, -0.5510, 4.4810



29.0110, 1.4670, 0.9470



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.



37.9730, 4.6300, 4.1980



48.1090, 7.2430, 6.4030



37.4030, 6.2350, 2.6430



21.7120, 0.8710, 0.7350



31.3710, 36.7650, 33.0610



77.3240, 89.9870, 81.7550

Inverse Universe

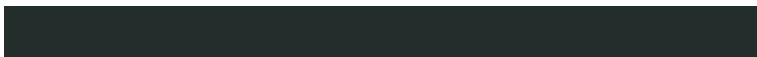
The Inverse Universe completely reimagines the original color for something new.



37.9730, 4.6300, 4.1980



48.1090, 7.2430, 6.4030



41.5970, -6.2350, -2.6430



21.7120, 0.8710, 0.7350



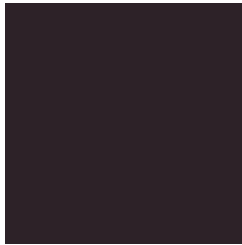
31.3710, 36.7650, 33.0610



77.3240, 89.9870, 81.7550

Previews

White Background



This preview shows how the YIQ color 37.9730, 4.6300, 4.1980 looks on a white background.

Color Contrast Check

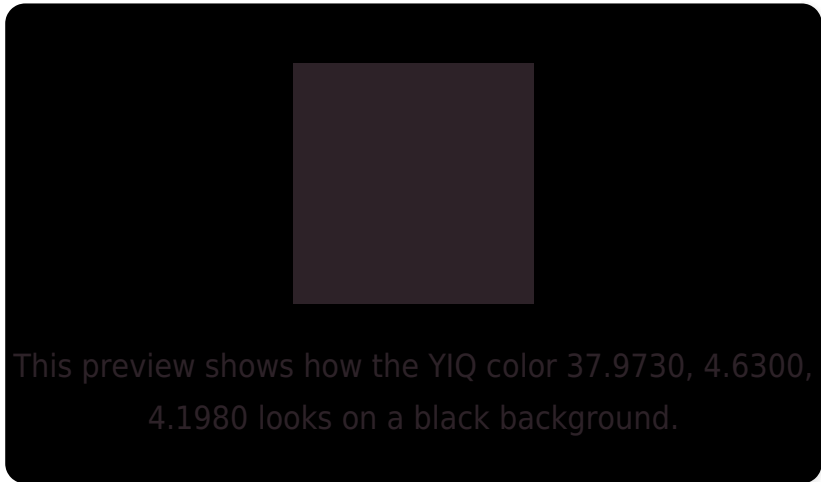
Large Text (above 18pt) WCAG AA ✓ Pass

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

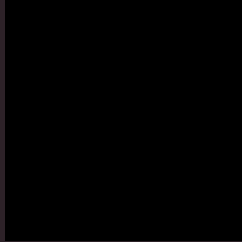
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.9730, 4.6300, 4.1980

Background



This preview shows how black text looks on a background with the YIQ color 37.9730, 4.6300, 4.1980.

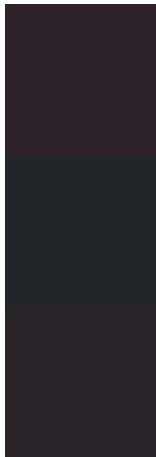


This preview shows how white text looks on a background with the YIQ color 37.9730, 4.6300, 4.1980.

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

37.9730, 4.6300, 4.1980

Protanopia

37.2710, -2.2010, 1.3430

Deuteranopia

37.6520, 1.1000, 2.0920



Tritanopia

37.6310, 5.5930, 3.2650

Trichromacy



Original Color

37.9730, 4.6300, 4.1980

Protanomaly

37.4670, 0.1830, 2.1910

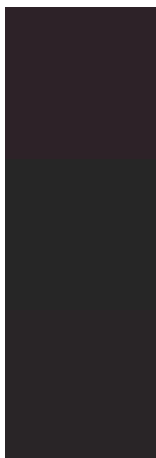
Deuteranomaly

37.6630, 2.5670, 3.0390

Tritanomaly

37.7450, 5.2720, 3.5760

Monochromacy



Original Color

37.9730, 4.6300, 4.1980

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

38.4240, 1.7420, 1.4700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.9730, 4.6300, 4.1980 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(45, 34, 40)` looks like.

```
.text, #text, p{  
    color:rgb(45, 34, 40)  
}
```

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(45, 34, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 34, 40) }
```

Border

The CSS property to change the border of an element to YIQ 37.9730, 4.6300, 4.1980 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(45, 34, 40) }
```

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

```
.border{ border-color:rgb(45, 34, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 34, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 34, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 34, 40);  
box-shadow:4px 4px 4px 4px rgb(45, 34, 40)  
}
```


Background

The CSS property to change the background color of an element to YIQ 37.9730, 4.6300, 4.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 34, 40) }
```

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

```
.background{ background-color: rgb(45, 34,  
40) }
```

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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