

Converting Colors

YIQ(46.3750, 3.4380, 3.7740)

Have a look what the booklet for
YIQ(46.3750, 3.4380, 3.7740)
contains.

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Color

YIQ(46.3750, 3.4380, 3.7740)

Conversions

Conversions Part 1

Format	Color
Hex	342B31
RGB	52, 43, 49
RGB Percent	20%, 17%, 19%
CMY	0.7961, 0.8314, 0.8078
CMYK	0.00, 0.17, 0.06, 0.80
HSL	320°, 9%, 19%
HSV	320°, 17%, 20%
XYZ	2.8347, 2.6795, 3.2738
YIQ	46.3750, 3.4380, 3.7740

Conversions

Conversions Part 2

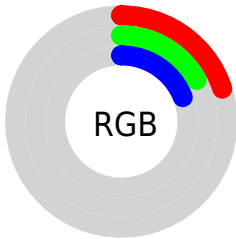
Format	Color
R_{YB}	52, 43, 49
Decimal	3418929
CIE _{Lab}	18.71, 5.44, -2.34
CIE _{LCh}	19, 5.921, 336.689
Yxy	2.6795, 0.3226, 0.3049
Android (android.graphics.Color)	4281609009 (0xFF342B31)
YUV	46.3750, 1.2941, 4.9331
Hunter-Lab	16.3691, 2.2652, -0.3994

Details

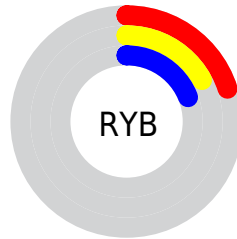
The YIQ color **46.3750, 3.4380, 3.7740** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **48.6250, -3.4380, -3.7740**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **91.7880, 3.7130, 4.2970**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **43.2120, 5.4550, 5.7670**, and if you desaturate by 10%, it is **49.5380, 1.4210, 1.7810**.

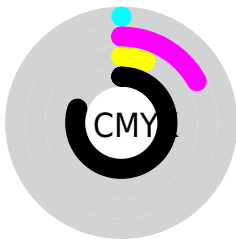
Distribution



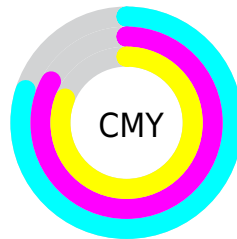
- Red (20%)
- Green (17%)
- Blue (19%)



- Red (20%)
- Yellow (17%)
- Blue (19%)



- Cyan (0%)
- Magenta (17%)
- Yellow (6%)
- Black (80%)



- Cyan (80%)
- Magenta (83%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.3750, 3.4380, 3.7740 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 46.3750, 3.4380, 3.7740 by changing the saturation by 10% instead.

■ 46.3750, 3.4380,
3.7740

■ 46.3750, 3.4380,
3.7740

■ 255.0000, -0.0000,
-0.0000

■ 25.9620, 3.1630,
3.2510

■ 91.7880, 3.7130,
4.2970

■ 0.0000, 0.0000,
0.0000

■ 116.7880, 3.7130,
4.2970

■ 142.0870, 4.3090,
4.5090

■ 169.0870, 4.3090,
4.5090

■ 196.0870, 4.3090,
4.5090

■ 224.0870, 4.3090,

4.5090

250.8910, 1.9250,
3.6610

46.3750, 3.4380,
3.7740

46.3750, 3.4380,
3.7740

43.2120, 5.4550,
5.7670

49.5380, 1.4210,
1.7810

40.1630, 7.1510,
8.0710

52.5870, -0.2750,
-0.5230

36.4130, 9.4430,
10.5870

56.3370, -2.5670,
-3.0390

33.2500, 11.4600,
12.5800

59.5000, -4.5840,
-5.0320

30.0870, 13.4770,
14.5730

62.6630, -6.6010,
-7.0250

■ 27.0380, 15.1730,
16.8770

■ 65.7120, -8.2970,
-9.3290

■ 23.8750, 17.1900,
18.8700

■ 68.8750, -10.3140,
-11.3220

■ 20.1250, 19.4820,
21.3860

■ 72.6250, -12.6060,
-13.8380

■ 19.5380, 19.7570,
21.9090

■ 75.7880, -14.6230,
-15.8310

Harmonies

Analogous

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



46.1080, -0.1840, 3.3360



46.3750, 3.4380, 3.7740



46.5170, 5.9140, 2.9540

Triad

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



46.3750, 3.4380, 3.7740



45.5720, 4.0810, -2.3750



44.3410, -8.3900, -2.1340

Complementary

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



46.3750, 3.4380, 3.7740



48.6250, -3.4380, -3.7740

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.



43.8850, -7.1060, -3.3780



46.3750, 3.4380, 3.7740



44.8920, 0.1840, -3.3360

Square

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



46.3750, 3.4380, 3.7740



45.7080, 6.6940, -0.1700



44.3260, -4.0340, -3.9860



44.6940, -7.8860, -0.2540

Rectangle

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



46.3750, 3.4380, 3.7740



46.4740, 7.4730, 2.2330



44.3260, -4.0340, -3.9860



43.9280, -8.6650, -2.6570

Sweetspot

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



46.3750, 3.4380, 3.7740



66.5380, 1.4210, 1.7810



44.9230, -1.1010, 3.4350



34.7120, 0.8710, 0.7350



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



46.3750, 3.4380, 3.7740



59.6250, 5.7300, 6.2900



45.8050, 5.0430, 2.2190



24.1250, 1.1460, 1.2580



33.3370, 34.1050, 37.2170



81.2990, 83.1080, 90.7880

Inverse Universe

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



46.3750, 3.4380, 3.7740



59.6250, 5.7300, 6.2900



49.1950, -5.0430, -2.2190



24.1250, 1.1460, 1.2580



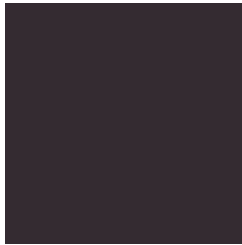
33.3370, 34.1050, 37.2170



81.2990, 83.1080, 90.7880

Previews

White Background



This preview shows how the YIQ color 46.3750, 3.4380, 3.7740 looks on a white background.

Color Contrast Check

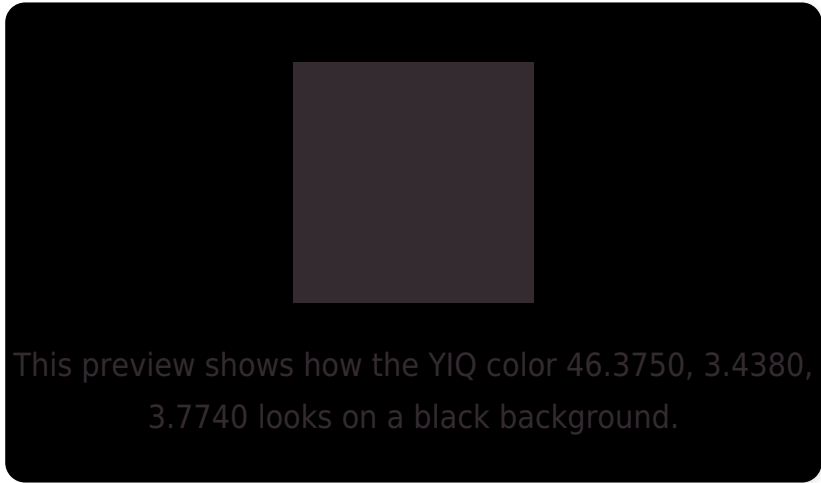
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.3750, 3.4380, 3.7740

Background



This preview shows how black text looks on a background with the YIQ color 46.3750, 3.4380, 3.7740.

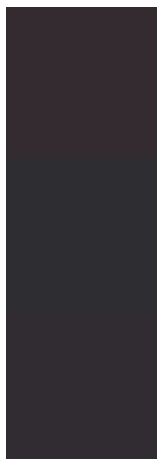


This preview shows how white text looks on a background with the YIQ color 46.3750, 3.4380, 3.7740.

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

46.3750, 3.4380, 3.7740

Protanopia

45.5700, -1.6050, 1.5550

Deuteranopia

46.0650, 1.3750, 2.6150



Tritanopia

46.1470, 4.0800, 3.1520

Trichromacy



Original Color

46.3750, 3.4380, 3.7740

Protanomaly

45.8800, 0.4580, 2.7140

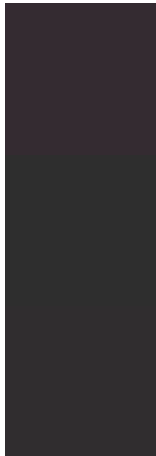
Deuteranomaly

46.3640, 1.9710, 2.8270

Tritanomaly

46.2610, 3.7590, 3.4630

Monochromacy



Original Color

46.3750, 3.4380, 3.7740

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.1250, 1.1460, 1.2580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.3750, 3.4380, 3.7740 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(52, 43, 49)` looks like.

```
.text, #text, p{  
    color:rgb(52, 43, 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(52, 43, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 43, 49) }
```

Border

The CSS property to change the border of an element to YIQ 46.3750, 3.4380, 3.7740 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(52, 43, 49) }
```

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

```
.border{ border-color:rgb(52, 43, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 43, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 43, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 43, 49);  
box-shadow:4px 4px 4px 4px rgb(52, 43, 49)  
}
```


Background

The CSS property to change the background color of an element to YIQ 46.3750, 3.4380, 3.7740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 43, 49) }
```

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

```
.background{ background-color: rgb(52, 43,  
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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