

Converting Colors

YIQ(37.5770, 5.6850, 1.5970)

Have a look what the booklet for
YIQ(37.5770, 5.6850, 1.5970)
contains.

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Color

YIQ(37.5770, 5.6850, 1.5970)

Conversions

Conversions Part 1

Format	Color
Hex	2C2322
RGB	44, 35, 34
RGB Percent	17%, 14%, 13%
CMY	0.8274, 0.8628, 0.8666
CMYK	0.00, 0.20, 0.23, 0.83
HSL	6°, 13%, 15%
HSV	6°, 23%, 17%
XYZ	1.9287, 1.8530, 1.7698
YIQ	37.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

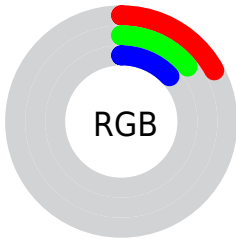
Format	Color
R_{YB}	44, 35, 34
Decimal	2892578
CIE Lab	14.70, 4.07, 2.26
CIE LCh	15, 4.654, 29.070
Yxy	1.8530, 0.3474, 0.3338
Android (android.graphics.Color)	4281082658 (0xFF2C2322)
YUV	37.5770, -1.7635, 5.6330
Hunter-Lab	13.6123, 1.4693, 1.8200

Details

The YIQ color **37.5770, 5.6850, 1.5970** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **40.4230, -5.6850, -1.5970**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.1750, 6.8770, 2.0210**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.7730, 8.0690, 2.4450**, and if you desaturate by 10%, it is **40.3810, 3.3010, 0.7490**.

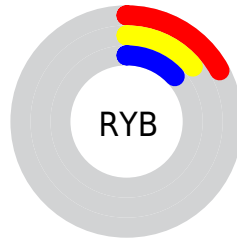
Distribution



 Red (17%)

 Green (14%)

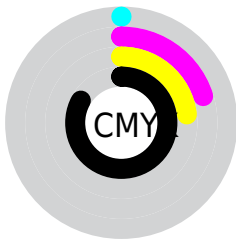
 Blue (13%)



 Red (17%)

 Yellow (14%)

 Blue (13%)

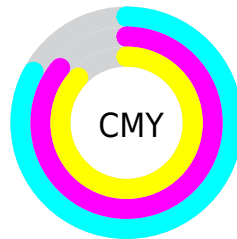



 Cyan (0%)

 Magenta (20%)

 Yellow (23%)

 Black (83%)



 Cyan (83%)

 Magenta (86%)

 Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.5770, 5.6850, 1.5970 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 37.5770, 5.6850, 1.5970 by changing the saturation by 10% instead.

■ 37.5770, 5.6850,
1.5970

■ 37.5770, 5.6850,
1.5970

■ 255.0000, -0.0000,
-0.0000

■ 16.1750, 6.8770,
2.0210

■ 82.1750, 6.8770,
2.0210

■ 0.0000, 0.0000,
0.0000

■ 106.1750, 6.8770,
2.0210

■ 131.4740, 7.4730,
2.2330

■ 157.4740, 7.4730,
2.2330

■ 184.4740, 7.4730,
2.2330

■ 212.3600, 7.7940,

1.9220

■ 240.7730, 8.0690,
2.4450

■ 37.5770, 5.6850,
1.5970

■ 37.5770, 5.6850,
1.5970

■ 34.7730, 8.0690,
2.4450

■ 40.3810, 3.3010,
0.7490

■ 31.8550, 10.7740,
2.9820

■ 43.2990, 0.5960,
0.2120

■ 29.0510, 13.1580,
3.8300

■ 46.1030, -1.7880,
-0.6360

■ 26.1330, 15.8630,
4.3670

■ 49.0210, -4.4930,
-1.1730

■ 23.3290, 18.2470,
5.2150

■ 51.8250, -6.8770,
-2.0210

■ 20.5250, 20.6310,
6.0630

■ 54.6290, -9.2610,
-2.8690

■ 17.6070, 23.3360,
6.6000

■ 57.5470, -11.9660,
-3.4060

■ 15.5040, 25.1240,
7.2360

■ 60.3510, -14.3500,
-4.2540

■ 63.2690, -17.0550,
-4.7910

Harmonies

Analogous

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



37.9190, 4.7220, 2.5300



37.5770, 5.6850, 1.5970



37.6370, 5.4560, 0.2400

Triad

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



37.5770, 5.6850, 1.5970



36.3370, -2.5670, -3.0390



36.4880, -4.3100, 1.0180

Complementary

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



37.5770, 5.6850, 1.5970



40.4230, -5.6850, -1.5970

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.



36.1780, -6.3730, -0.1410



37.5770, 5.6850, 1.5970



36.0810, -4.7220, -2.5300

Square

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



37.5770, 5.6850, 1.5970



36.6040, 1.0550, -2.6010



36.1240, -6.2810, -1.8090



37.3960, -1.0550, 2.6010

Rectangle

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



37.5770, 5.6850, 1.5970



36.9250, 4.5850, -0.4950



36.1240, -6.2810, -1.8090



36.7760, -5.1810, 0.2830

Sweetspot

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



37.5770, 5.6850, 1.5970



53.7830, 2.1090, 0.3250



38.0160, 3.0710, 4.9190



26.5980, 1.1920, 0.4240



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



37.5770, 5.6850, 1.5970



46.0720, 8.6650, 2.6570



40.5120, 4.3100, -1.0180



21.5980, 1.1920, 0.4240



31.2960, 49.3770, 13.7370



76.3130, 121.7690, 34.3850

Inverse Universe

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



40.4230, -5.6850, -1.5970



50.9280, -8.6650, -2.6570



37.4880, -4.3100, 1.0180



22.4020, -1.1920, -0.4240



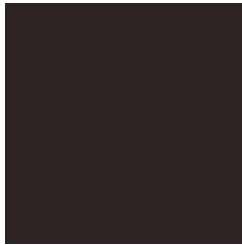
55.7040, -49.3770, -13.7370



137.6870, -121.7690, -34.3850

Previews

White Background



This preview shows how the YIQ color 37.5770, 5.6850, 1.5970 looks on a white background.

Color Contrast Check

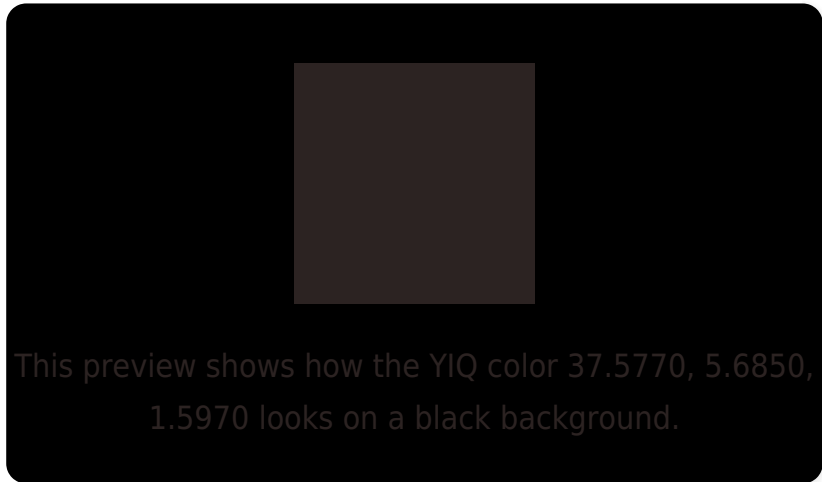
Large Text (above 18pt) WCAG AA ✓ Pass

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

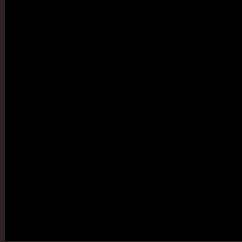
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.5770, 5.6850, 1.5970

Background



This preview shows how black text looks on a background with the YIQ color 37.5770, 5.6850, 1.5970.

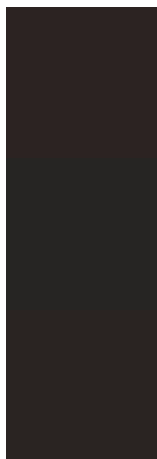


This preview shows how white text looks on a background with the YIQ color 37.5770, 5.6850, 1.5970.

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

37.5770, 5.6850, 1.5970

Protanopia

37.0710, 1.2380, -0.4100

Deuteranopia

37.5660, 4.2180, 0.6500



Tritanopia

37.9190, 4.7220, 2.5300

Trichromacy



Original Color

37.5770, 5.6850, 1.5970

Protanomaly

37.0820, 2.7050, 0.5370

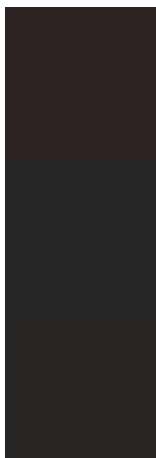
Deuteranomaly

37.8650, 4.8140, 0.8620

Tritanomaly

37.8050, 5.0430, 2.2190

Monochromacy



Original Color

37.5770, 5.6850, 1.5970

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.8970, 1.7880, 0.6360

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.5770, 5.6850, 1.5970 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(44, 35, 34)` looks like.

```
.text, #text, p{  
    color:rgb(44, 35, 34)  
}
```

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(44, 35, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 35, 34) }
```

Border

The CSS property to change the border of an element to YIQ 37.5770, 5.6850, 1.5970 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(44, 35, 34) }
```

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

```
.border{ border-color:rgb(44, 35, 34) }
```

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

Here you see how a box with a 4 pixel rgb(44, 35, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 35, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 35, 34);  
box-shadow:4px 4px 4px 4px rgb(44, 35, 34)  
}
```


Background

The CSS property to change the background color of an element to YIQ 37.5770, 5.6850, 1.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 35, 34) }
```

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

```
.background{ background-color: rgb(44, 35,  
34) }
```

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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