

Converting Colors

YIQ(37.8380, 0.2760, -5.0040)

Have a look what the booklet for
YIQ(37.8380, 0.2760, -5.0040)
contains.

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Color

**YIQ(37.8380, 0.2760,
-5.0040)**

Conversions

Conversions Part 1

Format	Color
Hex	23291D
RGB	35, 41, 29
RGB Percent	14%, 16%, 11%
CMY	0.8628, 0.8392, 0.8863
CMYK	0.15, 0.00, 0.29, 0.84
HSL	90°, 17%, 14%
HSV	90°, 29%, 16%
XYZ	1.7078, 2.0320, 1.4648
YIQ	37.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

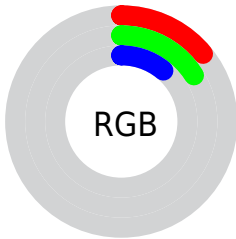
Format	Color
R_{YB}	29, 41, 35
Decimal	2304285
CIE _{Lab}	15.65, -5.48, 7.01
CIE _{LCh}	16, 8.899, 128.028
Yxy	2.0320, 0.3281, 0.3904
Android (android.graphics.Color)	4280494365 (0xFF23291D)
YUV	37.8380, -4.3571, -2.4889
Hunter-Lab	14.2548, -3.5610, 3.8859

Details

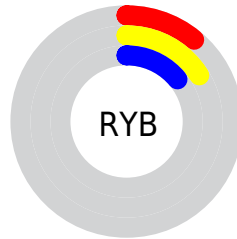
The YIQ color **37.8380, 0.2760, -5.0040** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **32.1620, -0.2760, 5.0040**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.4250, 0.0010, -5.5270**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.7840, 0.3680, -6.6720**, and if you desaturate by 10%, it is **38.8920, 0.1840, -3.3360**.

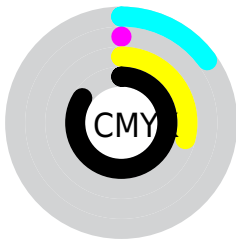
Distribution



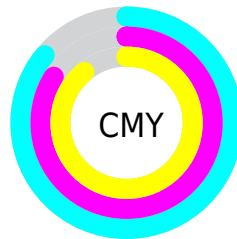
- Red (14%)
- Green (16%)
- Blue (11%)



- Red (11%)
- Yellow (16%)
- Blue (14%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (84%)



- Cyan (86%)
- Magenta (84%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.8380, 0.2760, -5.0040 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 37.8380, 0.2760, -5.0040 by changing the saturation by 10% instead.

■ 37.8380, 0.2760,
-5.0040

■ 37.8380, 0.2760,
-5.0040

■ 255.0000, -0.0000,
-0.0000

■ 16.8550, 1.6060,
-7.0820

■ 82.4250, 0.0010,
-5.5270

■ 0.0000, 0.0000,
0.0000

■ 106.6100, 0.9180,
-5.6260

■ 132.1970, 0.6430,
-6.1490

■ 158.1970, 0.6430,
-6.1490

■ 185.0830, 0.9640,
-6.4600

■ 212.7840, 0.3680,

-6.6720

■ 240.7840, 0.3680,
-6.6720

■ 37.8380, 0.2760,
-5.0040

■ 37.8380, 0.2760,
-5.0040

■ 36.7840, 0.3680,
-6.6720

■ 38.8920, 0.1840,
-3.3360

■ 35.7300, 0.4600,
-8.3400

■ 39.9460, 0.0920,
-1.6680

■ 34.6760, 0.5520,
-10.0080

■ 41.0000, 0.0000,
-0.0000

■ 33.6220, 0.6440,
-11.6760

■ 42.0540, -0.0920,
1.6680

■ 32.5680, 0.7360,
-13.3440

■ 43.2220, -0.5050,
3.6470

■ 31.4000, 1.1490,
-15.3230

■ 44.2760, -0.5970,
5.3150

■ 30.3460, 1.2410,
-16.9910

■ 45.3300, -0.6890,
6.9830

■ 30.0470, 0.6450,
-17.2030

■ 46.3840, -0.7810,
8.6510

■ 47.4380, -0.8730,
10.3190

Harmonies

Analogous

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



38.5290, 5.6400, -3.0960



37.8380, 0.2760, -5.0040



36.9020, -5.7760, -5.4560

Triad

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



37.8380, 0.2760, -5.0040



37.6550, -12.1500, -0.0700



39.8380, 9.4440, 5.0600

Complementary

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



37.8380, 0.2760, -5.0040



32.1620, -0.2760, 5.0040

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.



40.2120, 5.4550, 5.7670



37.8380, 0.2760, -5.0040



38.8730, -6.8320, 2.6720

Square

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



37.8380, 0.2760, -5.0040



36.2910, -14.1210, -2.8970



39.8630, -0.8720, 4.7920



39.4420, 10.4990, 2.4590

Rectangle

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



37.8380, 0.2760, -5.0040



36.7490, -9.7190, -5.5830



39.8630, -0.8720, 4.7920



40.3540, 7.9310, 4.9470

Sweetspot

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



37.8380, 0.2760, -5.0040



52.5330, -0.1830, -2.1910



36.1100, 5.5020, -0.5940



27.3590, 0.3670, -1.1450



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.



37.8380, 0.2760, -5.0040



48.8440, 0.1390, -8.0290



36.0440, -3.3000, -6.2760



19.4730, 0.0460, -0.8340



61.8660, 1.9320, -35.0280



156.1380, 4.8760, -88.4040

Inverse Universe

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



32.1620, -0.2760, 5.0040



39.8570, -0.7350, 7.8170



33.9560, 3.3000, 6.2760



18.5270, -0.0460, 0.8340



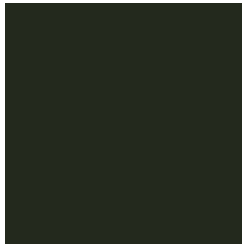
22.1340, -1.9320, 35.0280



55.8620, -4.8760, 88.4040

Previews

White Background



This preview shows how the YIQ color 37.8380, 0.2760, -5.0040 looks on a white background.

Color Contrast Check

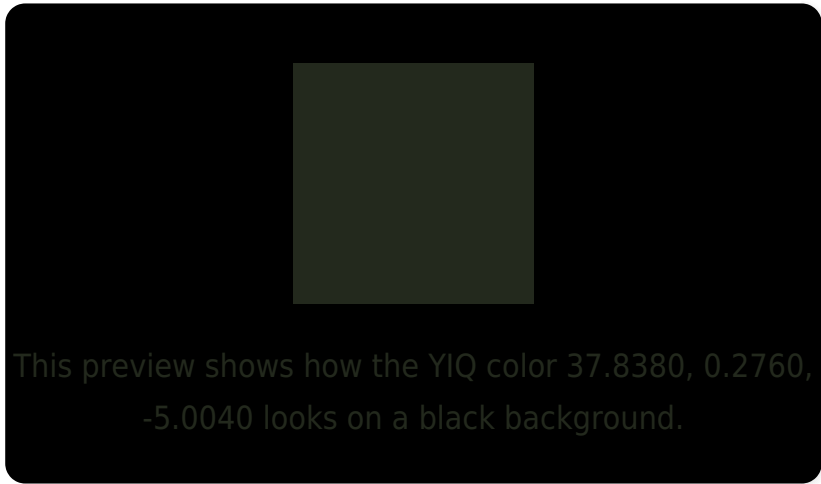
Large Text (above 18pt) WCAG AA ✓ Pass

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

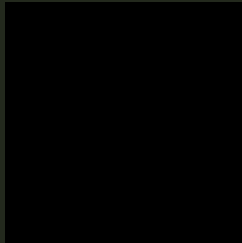
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.8380, 0.2760, -5.0040

Background



This preview shows how black text looks on a background with the YIQ color 37.8380, 0.2760, -5.0040.



This preview shows how white text looks on a background with the YIQ color 37.8380, 0.2760,

-5.0040.

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

37.8380, 0.2760, -5.0040

Protanopia

38.6430, 5.3190, -2.7850

Deuteranopia

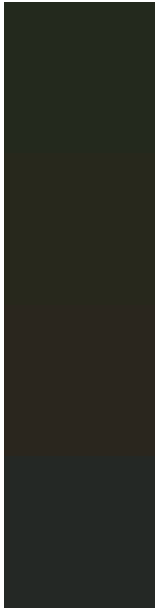
38.8930, 7.6110, -0.2690



Tritanopia

38.7440, -2.1550, 0.5090

Trichromacy



Original Color

37.8380, 0.2760, -5.0040

Protanomaly

38.3330, 3.2560, -3.9440

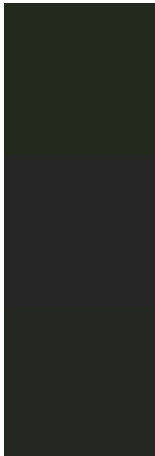
Deuteranomaly

38.2840, 4.9520, -1.6400

Tritanomaly

38.4620, -1.4210, -1.7810

Monochromacy



Original Color

37.8380, 0.2760, -5.0040

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.9460, 0.0920, -1.6680

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.8380, 0.2760, -5.0040 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, 41, 29)` looks like.

```
.text, #text, p{  
    color:rgb(35, 41, 29)  
}
```

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, 41, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 41, 29) }
```

Border

The CSS property to change the border of an element to YIQ 37.8380, 0.2760, -5.0040 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, 41, 29) }
```


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

```
.border{ border-color:rgb(35, 41, 29) }
```

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

Here you see how a box with a 4 pixel rgb(35, 41, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 41, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 41, 29);  
box-shadow:4px 4px 4px 4px rgb(35, 41, 29)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.8380, 0.2760, -5.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 41, 29) }
```

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

```
.background{ background-color: rgb(35, 41,  
29) }
```

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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