

Converting Colors

YIQ(37.7740, 15.4960, 5.5120)

Have a look what the booklet for
YIQ(37.7740, 15.4960, 5.5120)
contains.

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Color

**YIQ(37.7740, 15.4960,
5.5120)**

Conversions

Conversions Part 1

Format	Color
Hex	381E1E
RGB	56, 30, 30
RGB Percent	22%, 12%, 12%
CMY	0.7803, 0.8824, 0.8823
CMYK	0.00, 0.46, 0.46, 0.78
HSL	360°, 30%, 17%
HSV	360°, 46%, 22%
XYZ	2.3303, 1.8630, 1.4661
YIQ	37.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

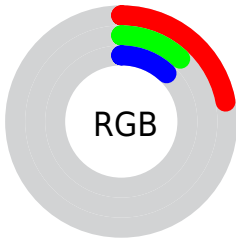
Format	Color
R_{YB}	56, 30, 30
Decimal	3677726
CIE _{Lab}	14.75, 12.71, 5.44
CIE _{LCh}	15, 13.820, 23.173
Yxy	1.8630, 0.4118, 0.3292
Android (android.graphics.Color)	4281867806 (0xFF381E1E)
YUV	37.7740, -3.8326, 15.9842
Hunter-Lab	13.6492, 6.5888, 3.1859

Details

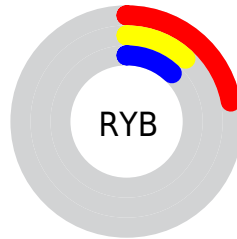
The YIQ color **37.7740, 15.4960, 5.5120** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **48.2260, -15.4960, -5.5120**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.9700, 17.8800, 6.3600**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **33.5680, 19.0720, 6.7840**, and if you desaturate by 10%, it is **41.9800, 11.9200, 4.2400**.

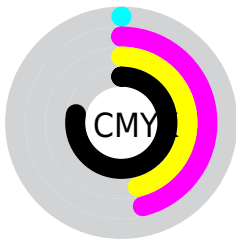
Distribution



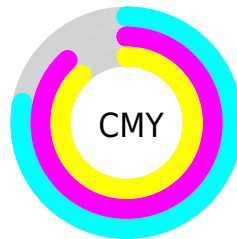
- Red (22%)
- Green (12%)
- Blue (12%)



- Red (22%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (46%)
- Yellow (46%)
- Black (78%)



- Cyan (78%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.7740, 15.4960, 5.5120 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 37.7740, 15.4960, 5.5120 by changing the saturation by 10% instead.

■ 37.7740, 15.4960,
5.5120

■ 37.7740, 15.4960,
5.5120

255.0000, -0.0000,
-0.0000

■ 15.1440, 17.3300,
5.3140

■ 82.9700, 17.8800,
6.3600

■ 0.0000, 0.0000,
0.0000

■ 107.4540, 19.3930,
6.4730

■ 132.7530, 19.9890,
6.6850

■ 159.0520, 20.5850,
6.8970

■ 186.2370, 21.5020,
6.7980

■ 213.9490, 22.3730,

7.5330

238.0620, 14.6250,
4.7770

37.7740, 15.4960,
5.5120

37.7740, 15.4960,
5.5120

33.5680, 19.0720,
6.7840

41.9800, 11.9200,
4.2400

30.0630, 22.0520,
7.8440

45.4850, 8.9400,
3.1800

25.8570, 25.6280,
9.1160

49.6910, 5.3640,
1.9080

22.3520, 28.6080,
10.1760

53.1960, 2.3840,
0.8480

18.1460, 32.1840,
11.4480

57.4020, -1.1920,
-0.4240

■ 16.7440, 33.3760,
11.8720

■ 61.6080, -4.7680,
-1.6960

■ 65.1130, -7.7480,
-2.7560

■ 69.3190, -11.3240,
-4.0280

■ 72.8240, -14.3040,
-5.0880

Harmonies

Analogous

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



38.3160, 11.0940, 8.1980



37.7740, 15.4960, 5.5120



37.1390, 15.7260, 1.3420

Triad

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



37.7740, 15.4960, 5.5120



34.3920, -4.4000, -8.3680



34.9580, -17.3770, 1.0470

Complementary

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



37.7740, 15.4960, 5.5120



48.2260, -15.4960, -5.5120

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.



30.8920, -26.1790, -4.6350



37.7740, 15.4960, 5.5120



31.9330, -16.2290, -8.7490

Square

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



37.7740, 15.4960, 5.5120



35.8230, 4.6320, -6.8560



29.9690, -25.0780, -8.0700



37.2800, -6.4200, 6.2200

Rectangle

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



37.7740, 15.4960, 5.5120



37.0630, 12.8840, -2.2200



29.9690, -25.0780, -8.0700



33.7510, -21.2280, -0.7480

Sweetspot

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



37.7740, 15.4960, 5.5120



66.9900, 5.9600, 2.1200



40.7380, 7.1500, 13.5980



33.7940, 3.5760, 1.2720



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



37.7740, 15.4960, 5.5120



45.2590, 24.4360, 8.6920



45.4050, 11.9210, -1.2870



25.8970, 1.7880, 0.6360



27.5080, 54.8320, 19.5040



65.4810, 130.5240, 46.4280

Inverse Universe

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



37.7740, 15.4960, 5.5120



45.2590, 24.4360, 8.6920



40.5950, -11.9210, 1.2870



25.8970, 1.7880, 0.6360



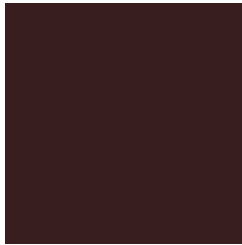
27.5080, 54.8320, 19.5040



65.4810, 130.5240, 46.4280

Previews

White Background



This preview shows how the YIQ color 37.7740, 15.4960, 5.5120 looks on a white background.

Color Contrast Check

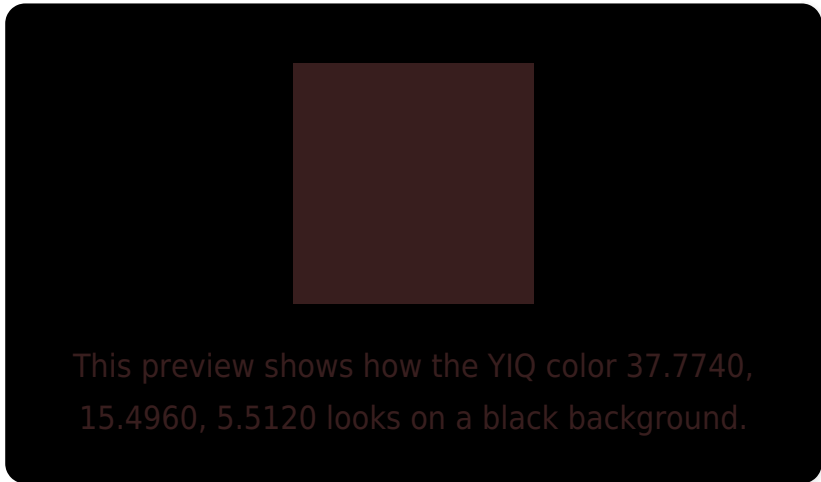
Large Text (above 18pt) WCAG AA ✓ Pass

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

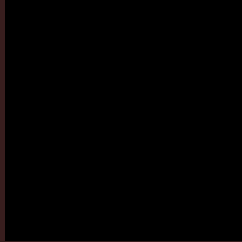
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.7740, 15.4960, 5.5120

Background



This preview shows how black text looks on a background with the YIQ color 37.7740, 15.4960, 5.5120.

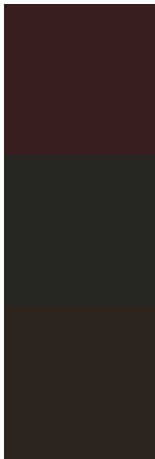


This preview shows how white text looks on a background with the YIQ color 37.7740, 15.4960,

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

37.7740, 15.4960, 5.5120

Protanopia

37.8430, 1.8800, -1.0320

Deuteranopia

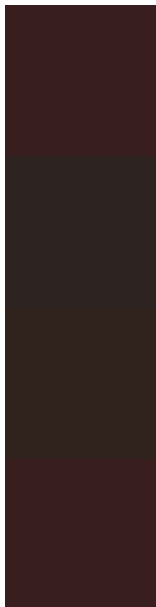
37.5940, 7.0150, -0.4810



Tritanopia

38.0020, 14.8540, 6.1340

Trichromacy



Original Color

37.7740, 15.4960, 5.5120

Protanomaly

37.7620, 6.6020, 1.4980

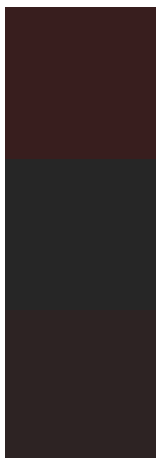
Deuteranomaly

37.6160, 9.9490, 1.4130

Tritanomaly

37.8880, 15.1750, 5.8230

Monochromacy



Original Color

37.7740, 15.4960, 5.5120

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.9900, 5.9600, 2.1200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.7740, 15.4960, 5.5120 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(56, 30, 30)` looks like.

```
.text, #text, p{  
    color:rgb(56, 30, 30)  
}
```

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(56, 30, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 30, 30) }
```

Border

The CSS property to change the border of an element to YIQ 37.7740, 15.4960, 5.5120 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(56, 30, 30) }
```


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

```
.border{ border-color:rgb(56, 30, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 30, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 30, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 30, 30);  
box-shadow:4px 4px 4px 4px rgb(56, 30, 30)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.7740, 15.4960, 5.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 30, 30) }
```

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

```
.background{ background-color: rgb(56, 30,  
30) }
```

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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