

Converting Colors

YIQ(37.3780, 16.5510, 2.9110)

Have a look what the booklet for
YIQ(37.3780, 16.5510, 2.9110)
contains.

YIQ(37.3780, 16.5510, 2.9110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(37.3780, 16.5510,
2.9110)**

Conversions

Conversions Part 1

Format	Color
Hex	371F18
RGB	55, 31, 24
RGB Percent	22%, 12%, 9%
CMY	0.7843, 0.8785, 0.9058
CMYK	0.00, 0.44, 0.56, 0.78
HSL	13°, 39%, 15%
HSV	13°, 56%, 22%
XYZ	2.2311, 1.8581, 1.1062
YIQ	37.3780, 16.5510, 2.9110

Conversions

Conversions Part 2

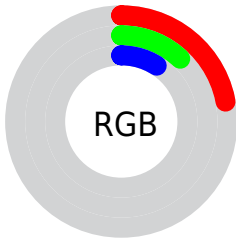
Format	Color
RYB	55, 33, 24
Decimal	3612440
CIELab	14.72, 10.73, 9.66
CIElCh	15, 14.436, 41.982
Yxy	1.8581, 0.4294, 0.3576
Android (android.graphics.Color)	4281802520 (0xFF371F18)
YUV	37.3780, -6.5954, 15.4545
Hunter-Lab	13.6311, 5.3614, 4.7303

Details

The YIQ color **37.3780, 16.5510, 2.9110** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **41.6220, -16.5510, -2.9110**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **82.4600, 19.2560, 3.4480**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.4600, 19.2560, 3.4480**, and if you desaturate by 10%, it is **40.4100, 13.5250, 2.6850**.

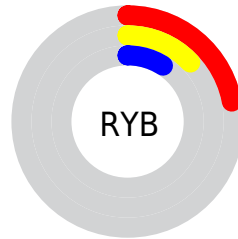
Distribution



Red (22%)

Green (12%)

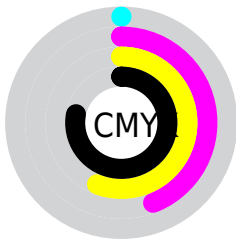
Blue (9%)



Red (22%)

Yellow (13%)

Blue (9%)

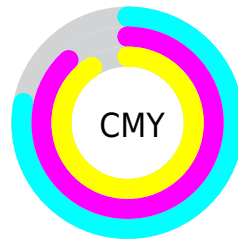


Cyan (0%)

Magenta (44%)

Yellow (56%)

Black (78%)



Cyan (78%)

Magenta (88%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.3780, 16.5510, 2.9110 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 37.3780, 16.5510, 2.9110 by changing the saturation by 10% instead.

■ 37.3780, 16.5510,
2.9110

■ 37.3780, 16.5510,
2.9110

■ 254.4300, 1.6050,
-1.5550

■ 15.1610, 18.6600,
3.2360

■ 82.4600, 19.2560,
3.4480

■ 0.0000, 0.0000,
0.0000

■ 106.9440, 20.7690,
3.5610


■ 132.2430, 21.3650,
3.7730


■ 158.7270, 22.8780,
3.8860


■ 186.0260, 23.4740,
4.0980


■ 213.3250, 24.0700,


4.3100


 237.7370, 16.9180,
1.7660


 37.3780, 16.5510,
2.9110


 37.3780, 16.5510,
2.9110

 34.4600, 19.2560,
3.4480


 40.4100, 13.5250,
2.6850


 30.8410, 22.5570,
4.1970


 43.9150, 10.5450,
1.6250

 27.9230, 25.2620,
4.7340

 46.9470, 7.5190,
1.3990

 24.8910, 28.2880,
4.9600

 49.8650, 4.8140,
0.8620

 23.4890, 29.4800,
5.3840

 52.8970, 1.7880,
0.6360

■ 56.4020, -1.1920,
-0.4240

■ 59.4340, -4.2180,
-0.6500

■ 62.3520, -6.9230,
-1.1870

■ 65.3840, -9.9490,
-1.4130

Harmonies

Analogous

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



37.8280, 15.4040, 7.1800



37.3780, 16.5510, 2.9110



36.6610, 14.0760, -1.7960

Triad

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



37.3780, 16.5510, 2.9110



32.5590, -12.2400, -9.4560



36.8880, -11.1880, 4.5240

Complementary

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



37.3780, 16.5510, 2.9110



41.6220, -16.5510, -2.9110

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.



32.8540, -23.0160, -1.3840



37.3780, 16.5510, 2.9110



29.6270, -24.1150, -9.0030

Square

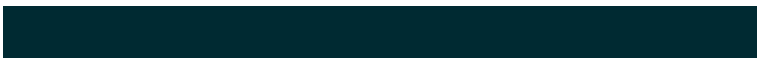
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.3780, 16.5510, 2.9110



34.3600, -1.3740, -8.1420



30.3540, -27.6000, -6.4160



38.1560, -0.1390, 8.0290

Rectangle

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



37.3780, 16.5510, 2.9110



36.4000, 10.3170, -5.2590



30.3540, -27.6000, -6.4160



35.6810, -15.0390, 2.7290

Sweetspot

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



37.3780, 16.5510, 2.9110



64.3490, 6.3270, 0.9750



36.0050, 10.7720, 14.0360



31.6800, 3.8970, 0.9610



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.



37.3780, 16.5510, 2.9110



43.8090, 25.5830, 4.4230



46.1830, 12.4260, -4.9340



26.4840, 1.5130, 0.1130



39.8350, 49.0570, 8.5210



94.2440, 117.0490, 20.8010

Inverse Universe

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



41.6220, -16.5510, -2.9110



50.1910, -25.5830, -4.4230



32.8170, -12.4260, 4.9340



26.5160, -1.5130, -0.1130



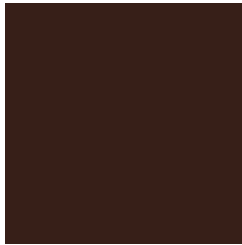
52.1650, -49.0570, -8.5210



124.7560, -117.0490, -20.8010

Previews

White Background



This preview shows how the YIQ color 37.3780, 16.5510, 2.9110 looks on a white background.

Color Contrast Check

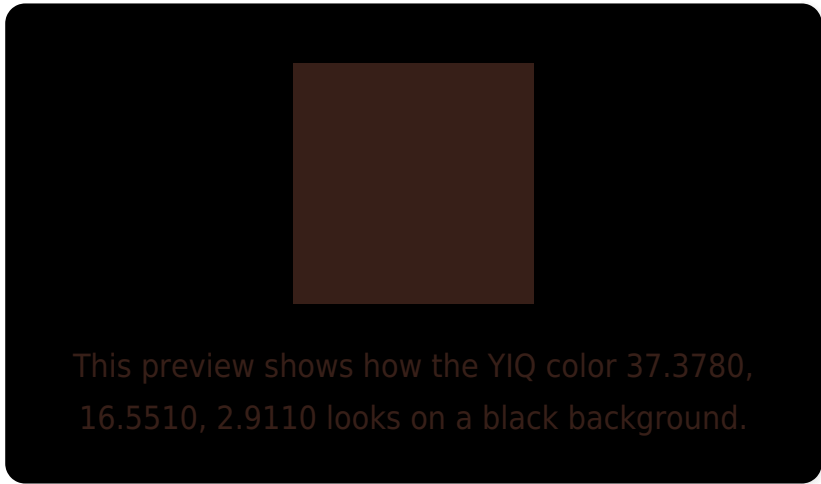
Large Text (above 18pt) WCAG AA ✓ Pass

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

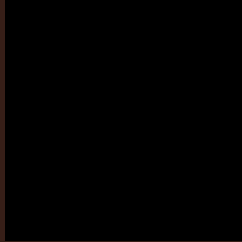
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.3780, 16.5510, 2.9110

Background



This preview shows how black text looks on a background with the YIQ color 37.3780, 16.5510, 2.9110.

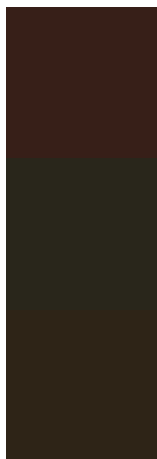


This preview shows how white text looks on a background with the YIQ color 37.3780, 16.5510,

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

37.3780, 16.5510, 2.9110

Protanopia

37.6430, 5.3190, -2.7850

Deuteranopia

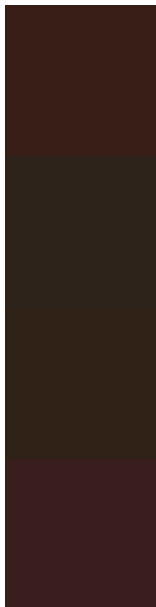
37.5080, 10.1330, -1.9230



Tritanopia

38.0020, 14.8540, 6.1340

Trichromacy



Original Color

37.3780, 16.5510, 2.9110

Protanomaly

37.2630, 9.4450, -0.4670

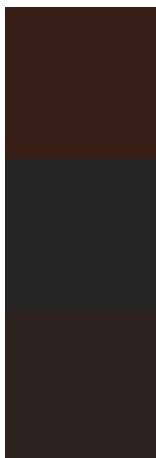
Deuteranomaly

37.2310, 12.4710, -0.2410

Tritanomaly

37.6600, 15.8170, 5.2010

Monochromacy



Original Color

37.3780, 16.5510, 2.9110

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.3490, 6.3270, 0.9750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.3780, 16.5510, 2.9110 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(55, 31, 24)` looks like.

```
.text, #text, p{  
    color:rgb(55, 31, 24)  
}
```

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(55, 31, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 31, 24) }
```

Border

The CSS property to change the border of an element to YIQ 37.3780, 16.5510, 2.9110 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(55, 31, 24) }
```


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

```
.border{ border-color:rgb(55, 31, 24) }
```

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

Here you see how a box with a 4 pixel rgb(55, 31, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 31, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 31, 24);  
box-shadow:4px 4px 4px 4px rgb(55, 31, 24)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.3780, 16.5510, 2.9110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 31, 24) }
```

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

```
.background{ background-color: rgb(55, 31,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor