

Converting Colors

YIQ(76.8030, 16.5520, -2.6160)

Have a look what the booklet for
YIQ(76.8030, 16.5520, -2.6160)
contains.

YIQ(76.8030, 16.5520, -2.6160)	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(76.8030, 16.5520,
-2.6160)**

Conversions

Conversions Part 1

Format	Color
Hex	5B4A36
RGB	91, 74, 54
RGB Percent	36%, 29%, 21%
CMY	0.6431, 0.7098, 0.7882
CMYK	0.00, 0.19, 0.41, 0.64
HSL	32°, 26%, 28%
HSV	32°, 41%, 36%
XYZ	7.4297, 7.3876, 4.5269
YIQ	76.8030, 16.5520, -2.6160

Conversions

Conversions Part 2

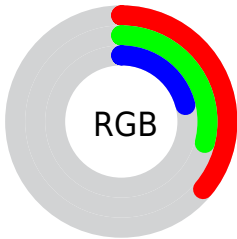
Format	Color
R_{YB}	85, 91, 54
Decimal	5982774
CIE Lab	32.67, 3.99, 14.63
CIE LCh	33, 15.167, 74.759
Yxy	7.3876, 0.3841, 0.3819
Android (android.graphics.Color)	4284172854 (0xFF5B4A36)
YUV	76.8030, -11.2419, 12.4508
Hunter-Lab	27.1802, 1.2277, 9.1512

Details

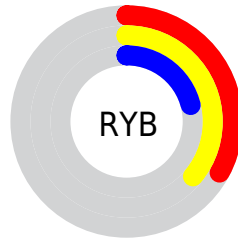
The YIQ color **76.8030, 16.5520, -2.6160** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **68.1970, -16.5520, 2.6160**, and the grayscale version is **77.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.1730, 18.3860, -2.8140**, and **31.9060, 14.7640, -3.2520** is the 20% darker color. If you saturate the color by 10%, you get **73.4290, 20.5410, -3.3230**, and if you desaturate by 10%, it is **80.1770, 12.5630, -1.9090**.

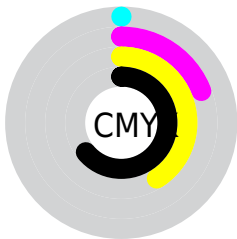
Distribution



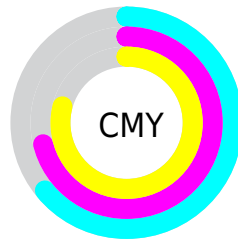
- Red (36%)
- Green (29%)
- Blue (21%)



- Red (33%)
- Yellow (36%)
- Blue (21%)



- Cyan (0%)
- Magenta (19%)
- Yellow (41%)
- Black (64%)



- Cyan (64%)
- Magenta (71%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.8030, 16.5520, -2.6160 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 76.8030, 16.5520, -2.6160 by changing the saturation by 10% instead.

■ 76.8030, 16.5520,
-2.6160

■ 76.8030, 16.5520,
-2.6160

■ 255.0000, -0.0000,
-0.0000

■ 53.7320, 15.3140,
-2.2060

■ 126.1730, 18.3860,
-2.8140

■ 31.9060, 14.7640,
-3.2520

■ 151.7710, 19.5780,
-2.3900

■ 9.8010, 10.8660,
1.3140

■ 178.6570, 19.8990,
-2.7010

■ 0.0000, 0.0000,
0.0000

■ 205.9560, 20.4950,
-2.4890

■ 234.1410, 21.4120,
-2.5880

■ 252.6060, 6.7410,

-6.5310

■ 76.8030, 16.5520,
-2.6160

■ 76.8030, 16.5520,
-2.6160

■ 73.4290, 20.5410,
-3.3230

■ 80.1770, 12.5630,
-1.9090

■ 70.0550, 24.5300,
-4.0300

■ 83.5510, 8.5740,
-1.2020

■ 66.0940, 28.7940,
-4.2140

■ 87.5120, 4.3100,
-1.0180

■ 62.7200, 32.7830,
-4.9210

■ 90.8860, 0.3210,
-0.3110

■ 59.3460, 36.7720,
-5.6280

■ 94.3740, -3.9890,
0.7070

■ 55.9720, 40.7610,
-6.3350

■ 97.7480, -7.9780,
1.4140

■ 101.1220,
-11.9670, 2.1210

■ 104.4960,
-15.9560, 2.8280

■ 108.4570,
-20.2200, 3.0120

Harmonies

Analogous

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



77.6450, 20.1730, 3.3490



76.8030, 16.5520, -2.6160



75.5630, 8.3000, -7.2520

Triad

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



76.8030, 16.5520, -2.6160



71.2140, -24.3900, -9.5260



78.6940, 1.2820, 9.8100

Complementary

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



76.8030, 16.5520, -2.6160



68.1970, -16.5520, 2.6160

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.



76.9420, -11.2800, 6.1920



76.8030, 16.5520, -2.6160



71.2940, -27.3710, -5.0590

Square

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



76.8030, 16.5520, -2.6160



72.2490, -14.3030, -10.6150



74.5060, -21.9160, 0.7080



78.9680, 12.1940, 10.2900

Rectangle

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



76.8030, 16.5520, -2.6160



74.6870, 2.0190, -9.0610



74.5060, -21.9160, 0.7080



78.0140, -2.6150, 8.8490

Sweetspot

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



76.8030, 16.5520, -2.6160



111.8820, 6.1440, -1.2160



67.0010, 16.5950, 13.1310



55.6260, 3.9890, -0.7070



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



76.8030, 16.5520, -2.6160



95.2400, 25.4470, -4.1290



86.4830, 11.2810, -11.7190



44.2560, 2.1550, -0.5090



67.5230, 49.3350, -7.5370



145.9990, 106.0520, -16.7000

Inverse Universe

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



68.1970, -16.5520, 2.6160



81.7600, -25.4470, 4.1290



58.5170, -11.2810, 11.7190



42.7440, -2.1550, 0.5090



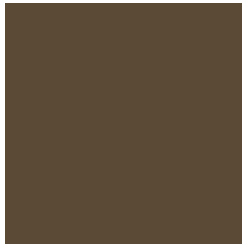
41.8900, -49.0600, 8.0600



91.0010, -106.0520, 16.7000

Previews

White Background



This preview shows how the YIQ color 76.8030, 16.5520, -2.6160 looks on a white background.

Color Contrast Check

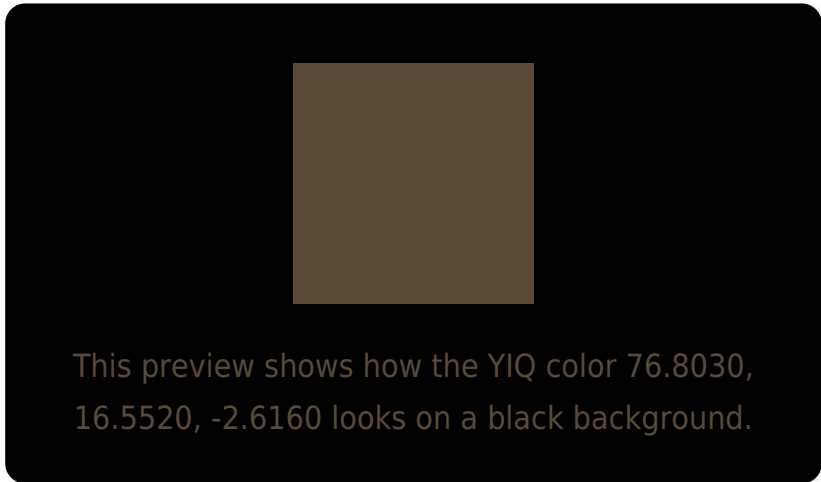
Large Text (above 18pt) WCAG AA ✓ Pass

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

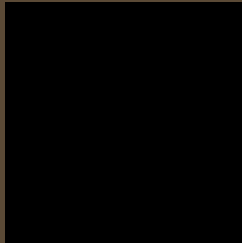
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.8030, 16.5520, -2.6160

Background



This preview shows how black text looks on a background with the YIQ color 76.8030, 16.5520, -2.6160.



This preview shows how white text looks on a background with the YIQ color 76.8030, 16.5520,

-2.6160.

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

76.8030, 16.5520, -2.6160

Protanopia

76.2860, 10.6380, -5.5700

Deuteranopia

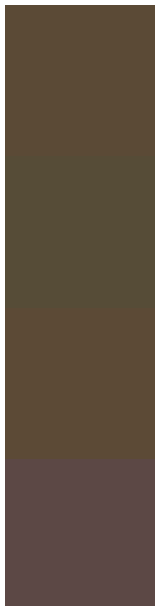
77.1020, 17.1480, -2.4040



Tritanopia

78.2620, 11.1860, 6.5300

Trichromacy



Original Color

76.8030, 16.5520, -2.6160

Protanomaly

76.5960, 12.7010, -4.4110

Deuteranomaly

77.1020, 17.1480, -2.4040

Tritanomaly

77.6380, 12.8830, 3.3070

Monochromacy



Original Color

76.8030, 16.5520, -2.6160

Achromatopsia

77.0000, -0.0000, -0.0000

Achromatomaly

76.9960, 5.8230, -0.9050

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.8030, 16.5520, -2.6160 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(91, 74, 54)` looks like.

```
.text, #text, p{  
    color:rgb(91, 74, 54)  
}
```

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(91, 74, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 74, 54) }
```

Border

The CSS property to change the border of an element to YIQ 76.8030, 16.5520, -2.6160 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(91, 74, 54) }
```


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

```
.border{ border-color:rgb(91, 74, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 74, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 74, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 74, 54);  
box-shadow:4px 4px 4px 4px rgb(91, 74, 54)  
}
```

Background

The CSS property to change the background color of an element to YIQ 76.8030, 16.5520, -2.6160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 74, 54) }
```

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

```
.background{ background-color: rgb(91, 74,  
54) }
```

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