

# Converting Colors

YIQ(34.4630, 41.5370, 12.6490)

Have a look what the booklet for  
YIQ(34.4630, 41.5370, 12.6490)  
contains.

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# Color

**YIQ(34.4630, 41.5370,  
12.6490)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	520F0A
RGB	82, 15, 10
RGB Percent	32%, 6%, 4%
CMY	0.6783, 0.9413, 0.9606
CMYK	0.00, 0.82, 0.88, 0.68
HSL	4°, 78%, 18%
HSV	4°, 88%, 32%
XYZ	3.7086, 2.1585, 0.5096
YIQ	34.4630, 41.5370, 12.6490

# Conversions

## Conversions Part 2

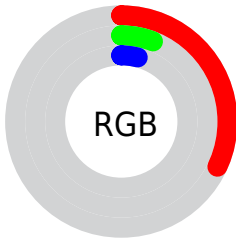
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 15, 10
Decimal	5377802
CIE Lab	16.30, 30.37, 20.81
CIE LCh	16, 36.818, 34.419
Yxy	2.1585, 0.5816, 0.3385
Android (android.graphics.Color)	4283567882 (0xFF520F0A)
YUV	34.4630, -12.0603, 41.6899
Hunter-Lab	14.6918, 19.3474, 8.2279

# Details

The YIQ color **34.4630, 41.5370, 12.6490** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **57.5370, -41.5370, -12.6490**, and the grayscale version is **35.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **84.6870, 46.7180, 12.3660**, and **8.4860, 16.3670, 6.2470** is the 20% darker color. If you saturate the color by 10%, you get **28.8550, 46.3050, 14.3450**, and if you desaturate by 10%, it is **40.0710, 36.7690, 10.9530**.

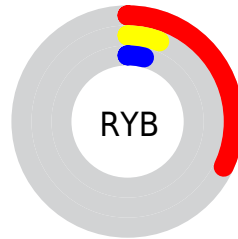
# Distribution



Red (32%)

Green (6%)

Blue (4%)



Red (32%)

Yellow (6%)

Blue (4%)

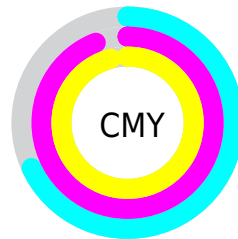


Cyan (0%)

Magenta (82%)

Yellow (88%)

Black (68%)



Cyan (68%)

Magenta (94%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 34.4630, 41.5370, 12.6490 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 34.4630, 41.5370, 12.6490 by changing the saturation by 10% instead.



■ 34.4630, 41.5370,  
12.6490

■ 34.4630, 41.5370,  
12.6490

■ 249.6710, 8.1160,  
-3.9160

■ 16.7440, 33.3760,  
11.8720

■ 84.1000, 46.9930,  
12.8890

■ 8.4860, 16.3670,  
6.2470

■ 109.6550, 49.7440,  
12.5920

■ 0.0000, 0.0000,  
0.0000


■ 135.7370, 52.4490,  
13.1290


■ 162.5200, 54.5580,  
13.4540


■ 190.3030, 56.6670,  
13.7790


■ 210.4150, 41.4920,


7.9560


 230.0430, 24.8040,  
2.0200


 34.4630, 41.5370,  
12.6490


 34.4630, 41.5370,  
12.6490


 28.8550, 46.3050,  
14.3450


 40.0710, 36.7690,  
10.9530

 28.0400, 47.2220,  
14.2460

 45.0920, 32.2760,  
9.7800

 50.8140, 27.1870,  
8.3950

 56.4220, 22.4190,  
6.6990

 61.4430, 17.9260,  
5.5260

■ 67.0510, 13.1580,  
3.8300

■ 72.0720, 8.6650,  
2.6570

■ 77.7940, 3.5760,  
1.2720

■ 83.4020, -1.1920,  
-0.4240

# Harmonies

## Analogous

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



32.0950, 37.3620, 27.7460



34.4630, 41.5370, 12.6490



38.2410, 32.8740, -1.0620

# Triad

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



34.4630, 41.5370, 12.6490



31.1740, -18.8860, -21.1740



35.8430, -41.6780, 6.4340

# Complementary

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



34.4630, 41.5370, 12.6490



57.5370, -41.5370, -12.6490

# 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.



38.7950, -41.7230, 1.7410



34.4630, 41.5370, 12.6490



34.9530, -28.1490, -12.9890

# Square

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



34.4630, 41.5370, 12.6490



33.8680, -0.4090, -20.1290



37.9170, -36.4950, -4.9030



40.6300, -9.8610, 19.0270



# Rectangle

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



34.4630, 41.5370, 12.6490



38.7510, 22.3300, -8.2140



37.9170, -36.4950, -4.9030



37.0170, -42.2280, 5.3880

# Sweetspot

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



34.4630, 41.5370, 12.6490



88.5460, 16.1380, 4.8900



39.1660, 21.4050, 36.1010



42.6700, 9.8570, 3.0810



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



34.4630, 41.5370, 12.6490



36.1020, 61.8470, 19.0230



55.5950, 31.6370, -6.1790



38.1960, 2.3840, 0.8480



35.5040, 60.6550, 18.5990



78.7600, 133.8720, 40.8160



# Inverse Universe

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



57.5370, -41.5370, -12.6490



70.8980, -61.8470, -19.0230



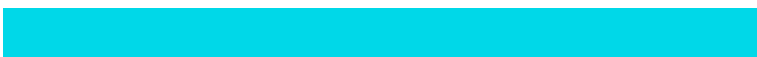
36.4050, -31.6370, 6.1790



39.8040, -2.3840, -0.8480



68.9090, -60.3800, -18.0760

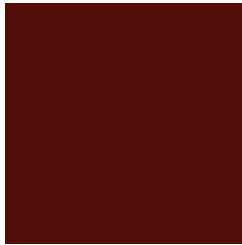


153.2400, -133.8720, -40.8160



# Previews

## White Background



This preview shows how the YIQ color 34.4630, 41.5370, 12.6490 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

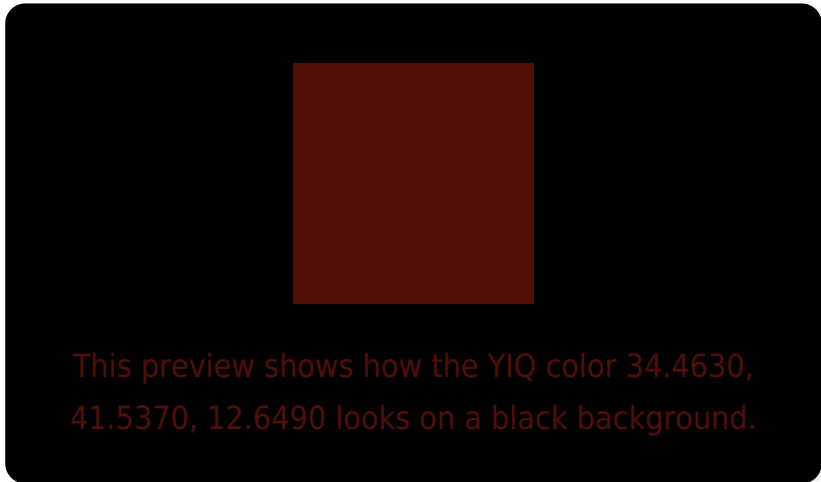
Any Text WCAG AA ✓ Pass

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

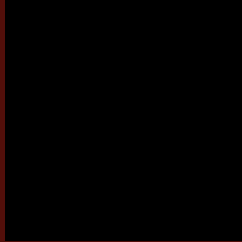
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 34.4630, 41.5370, 12.6490**

## **Background**



This preview shows how black text looks on a background with the YIQ color 34.4630, 41.5370, 12.6490.



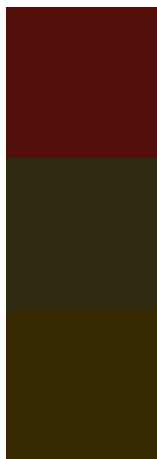
This preview shows how white text looks on a background with the YIQ color 34.4630, 41.5370,



# 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

34.4630, 41.5370, 12.6490

### Protanopia

41.4170, 11.6470, -7.3370

### Deuteranopia

40.2130, 20.9090, -9.9950



## Tritanopia

34.3320, 40.5280, 14.4160

# Trichromacy



## Original Color

34.4630, 41.5370, 12.6490

## Protanomaly

38.9070, 22.1910, -0.1850

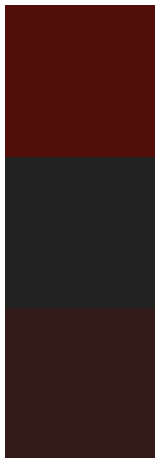
## Deuteranomaly

38.3760, 28.0600, -1.9240

## Tritanomaly

34.2180, 40.8490, 14.1050

# Monochromacy



## Original Color

34.4630, 41.5370, 12.6490

## Achromatopsia

34.0000, -0.0000, 0.0000

## Achromatomaly

33.9480, 14.9460, 4.4660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 34.4630, 41.5370, 12.6490 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(82, 15, 10)` looks like.

```
.text, #text, p{  
    color:rgb(82, 15, 10)  
}
```

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(82, 15, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 15, 10) }
```

## Border

The CSS property to change the border of an element to YIQ 34.4630, 41.5370, 12.6490 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(82, 15, 10) }
```



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

```
.border{ border-color:rgb(82, 15, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 15, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 15, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 15, 10);  
box-shadow:4px 4px 4px 4px rgb(82, 15, 10)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 34.4630, 41.5370, 12.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 15, 10) }
```

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

```
.background{ background-color: rgb(82, 15,  
10) }
```

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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