

Converting Colors

YIQ(46.3000, 17.1910, 13.3430)

Have a look what the booklet for
YIQ(46.3000, 17.1910, 13.3430)
contains.

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Color

**YIQ(46.3000, 17.1910,
13.3430)**

Conversions

Conversions Part 1

Format	Color
Hex	472132
RGB	71, 33, 50
RGB Percent	28%, 13%, 20%
CMY	0.7215, 0.8706, 0.8039
CMYK	0.00, 0.54, 0.30, 0.72
HSL	333°, 37%, 20%
HSV	333°, 54%, 28%
XYZ	3.7199, 2.6578, 3.3361
YIQ	46.3000, 17.1910, 13.3430

Conversions

Conversions Part 2

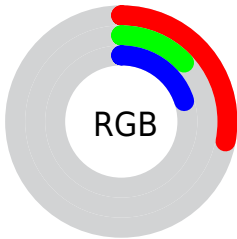
Format	Color
R_{YB}	71, 33, 50
Decimal	4661554
CIE _{Lab}	18.62, 20.54, -2.90
CIE _{LCh}	19, 20.748, 351.972
Yxy	2.6578, 0.3829, 0.2736
Android (android.graphics.Color)	4282851634 (0xFF472132)
YUV	46.3000, 1.8241, 21.6619
Hunter-Lab	16.3028, 12.1991, -0.7210




Details

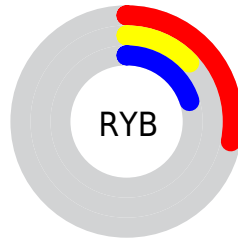
The YIQ color **46.3000, 17.1910, 13.3430** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **57.7000, -17.1910, -13.3430**, and the grayscale version is **46.0000, 0.0000, -0.0000**.




A 20% lighter version of the original color is **93.4960, 19.5750, 14.1910**, and **8.6000, 16.0460, 6.5580** is the 20% darker color. If you saturate the color by 10%, you get **41.7350, 20.4000, 15.7600**, and if you desaturate by 10%, it is **50.8650, 13.9820, 10.9260**.

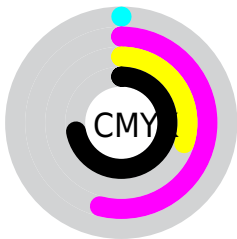
Distribution







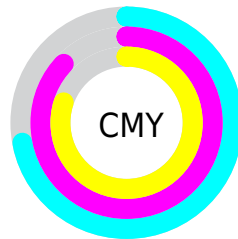
-  Red (28%)
-  Green (13%)
-  Blue (20%)






-  Red (28%)
-  Yellow (13%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (54%)
-  Yellow (30%)
-  Black (72%)



-  Cyan (72%)
-  Magenta (87%)
-  Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 46.3000, 17.1910, 13.3430 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 46.3000, 17.1910, 13.3430 by changing the saturation by 10% instead.

■ 46.3000, 17.1910,
13.3430

■ 46.3000, 17.1910,
13.3430

■ 255.0000, -0.0000,
-0.0000

■ 24.1150, 16.2740,
13.4420

■ 93.4960, 19.5750,
14.1910

■ 8.6000, 16.0460,
6.5580

■ 118.2080, 20.4460,
14.9260

■ 0.0000, 0.0000,
0.0000


■ 143.9200, 21.3170,
15.6610


■ 170.5180, 22.5090,
16.0850


■ 197.9310, 22.7840,
16.6080


■ 225.0340, 20.9960,


15.9720


 245.0210, 4.6750,
8.8910


 46.3000, 17.1910,
13.3430


 46.3000, 17.1910,
13.3430


 41.7350, 20.4000,
15.7600


 50.8650, 13.9820,
10.9260


 37.1700, 23.6090,
18.1770


 55.4300, 10.7730,
8.5090


 32.6050, 26.8180,
20.5940

 59.9950, 7.5640,
6.0920

 28.0400, 30.0270,
23.0110

 64.5600, 4.3550,
3.6750

 24.8770, 32.0440,
25.0040

 69.1250, 1.1460,
1.2580

■ 74.2770, -2.3380,
-1.6820

■ 78.7280, -5.2260,
-4.4100

■ 83.2930, -8.4350,
-6.8270

■ 87.8580, -11.6440,
-9.2440

Harmonies

Analogous

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



46.9550, 5.0410, 13.2730



46.3000, 17.1910, 13.3430



45.1880, 23.1980, 9.1020

Triad

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



46.3000, 17.1910, 13.3430



42.8570, 7.2920, -11.0120



37.8030, -36.1740, -5.2140

Complementary

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



46.3000, 17.1910, 13.3430



57.7000, -17.1910, -13.3430

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.



37.4950, -32.5510, -10.3030



46.3000, 17.1910, 13.3430



40.3760, -7.4710, -13.2870

Square

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



46.3000, 17.1910, 13.3430



44.2930, 17.9280, -5.5280



35.7850, -27.7360, -14.9680



37.9220, -34.8910, -0.9310

Rectangle

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



46.3000, 17.1910, 13.3430



45.3250, 24.0700, 4.3100



35.7850, -27.7360, -14.9680



37.9340, -35.1650, -6.9810

Sweetspot

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



46.3000, 17.1910, 13.3430



82.2830, 6.6930, 5.3570



43.6110, 0.3180, 16.2700



40.1470, 4.0800, 3.1520



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



46.3000, 17.1910, 13.3430



53.6050, 26.8180, 20.5940



45.5360, 22.0980, 7.0100



33.4240, 1.7420, 1.4700



34.7310, 44.5590, 34.9830



79.5010, 102.5500, 79.8460

Inverse Universe

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



46.3000, 17.1910, 13.3430



53.6050, 26.8180, 20.5940



58.4640, -22.0980, -7.0100



33.4240, 1.7420, 1.4700



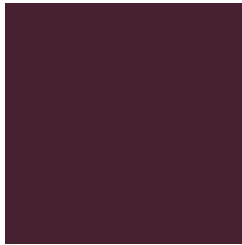
34.7310, 44.5590, 34.9830



79.5010, 102.5500, 79.8460

Previews

White Background



This preview shows how the YIQ color 46.3000, 17.1910, 13.3430 looks on a white background.

Color Contrast Check

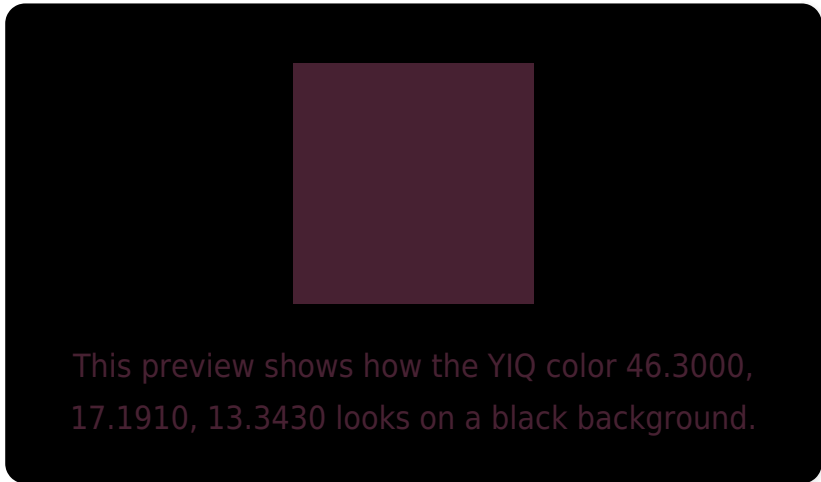
Large Text (above 18pt) WCAG AA ✓ Pass

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

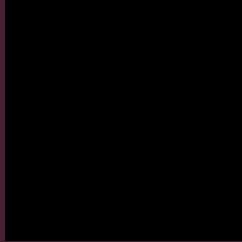
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 46.3000, 17.1910, 13.3430

Background



This preview shows how black text looks on a background with the YIQ color 46.3000, 17.1910, 13.3430.



This preview shows how white text looks on a background with the YIQ color 46.3000, 17.1910,

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

46.3000, 17.1910, 13.3430

Protanopia

46.4710, -5.6400, 3.0960

Deuteranopia

46.8370, 2.0170, 1.9930



Tritanopia

45.8070, 19.8970, 8.3530

Trichromacy



Original Color

46.3000, 17.1910, 13.3430

Protanomaly

46.1840, 2.6580, 6.8980

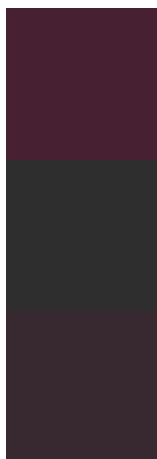
Deuteranomaly

46.9950, 7.5640, 6.0920

Tritanomaly

45.6760, 18.8880, 10.1200

Monochromacy



Original Color

46.3000, 17.1910, 13.3430

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.8700, 6.4180, 4.8340

CSS Examples

Text

The CSS property to change the color of the text to YIQ 46.3000, 17.1910, 13.3430 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(71, 33, 50)` looks like.

```
.text, #text, p{  
    color:rgb(71, 33, 50)  
}
```

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(71, 33, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 33, 50) }
```

Border

The CSS property to change the border of an element to YIQ 46.3000, 17.1910, 13.3430 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(71, 33, 50) }
```


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

```
.border{ border-color:rgb(71, 33, 50) }
```

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

Here you see how a box with a 4 pixel rgb(71, 33, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 33, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 33, 50);  
box-shadow:4px 4px 4px 4px rgb(71, 33, 50)  
}
```

Background

The CSS property to change the background color of an element to YIQ 46.3000, 17.1910, 13.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 33, 50) }
```

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

```
.background{ background-color: rgb(71, 33,  
50) }
```

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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