

Converting Colors

YIQ(66.6830, 17.0100, 0.0980)

Have a look what the booklet for
YIQ(66.6830, 17.0100, 0.0980)
contains.

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Color

**YIQ(66.6830, 17.0100,
0.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	533E30
RGB	83, 62, 48
RGB Percent	33%, 24%, 19%
CMY	0.6745, 0.7569, 0.8117
CMYK	0.00, 0.25, 0.42, 0.67
HSL	24°, 27%, 26%
HSV	24°, 42%, 33%
XYZ	5.8243, 5.4973, 3.5526
YIQ	66.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

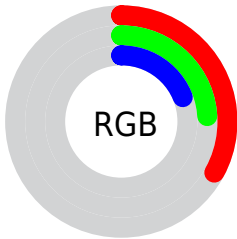
Format	Color
RYB	83, 71, 48
Decimal	5455408
CIELab	28.11, 7.01, 12.14
CIElCh	28, 14.015, 60.006
Yxy	5.4973, 0.3916, 0.3696
Android (android.graphics.Color)	4283645488 (0xFF533E30)
YUV	66.6830, -9.2107, 14.3100
Hunter-Lab	23.4464, 3.3096, 7.4289

Details

The YIQ color **66.6830, 17.0100, 0.0980** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **64.3170, -17.0100, -0.0980**, and the grayscale version is **67.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **115.0530, 18.8440, -0.1000**, and **23.1020, 17.1480, -2.4040** is the 20% darker color. If you saturate the color by 10%, you get **62.8360, 20.9530, 0.2250**, and if you desaturate by 10%, it is **70.5300, 13.0670, -0.0290**.

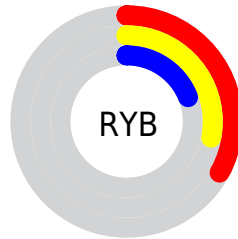
Distribution



 Red (33%)

 Green (24%)

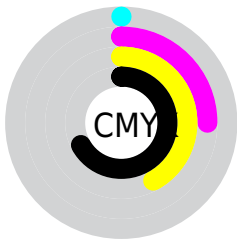
 Blue (19%)



 Red (33%)

 Yellow (28%)

 Blue (19%)

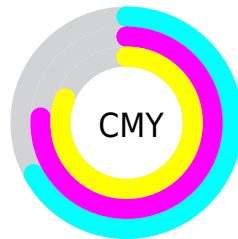



 Cyan (0%)


 Magenta (25%)

 Yellow (42%)

 Black (67%)



 Cyan (67%)

 Magenta (76%)

 Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 66.6830, 17.0100, 0.0980 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 66.6830, 17.0100, 0.0980 by changing the saturation by 10% instead.

66.6830, 17.0100,
0.0980

66.6830, 17.0100,
0.0980

255.0000, -0.0000,
-0.0000

44.1990, 15.4970,
-0.0150

115.0530, 18.8440,
-0.1000

23.1020, 17.1480,
-2.4040

140.6510, 20.0360,
0.3240

0.0000, 0.0000,
0.0000

166.9500, 20.6320,
0.5360

194.1350, 21.5490,
0.4370

222.3200, 22.4660,
0.3380

245.2370, 12.3340,

-3.2660

■ 66.6830, 17.0100,
0.0980

■ 66.6830, 17.0100,
0.0980

■ 62.8360, 20.9530,
0.2250

■ 70.5300, 13.0670,
-0.0290

■ 58.8750, 25.2170,
0.0410

■ 74.4910, 8.8030,
0.1550

■ 55.0280, 29.1600,
0.1680

■ 78.3380, 4.8600,
0.0280

■ 51.1810, 33.1030,
0.2950

■ 82.1850, 0.9170,
-0.0990

■ 47.3340, 37.0460,
0.4220

■ 86.1460, -3.3470,
0.0850

■ 44.1880, 40.3930,
0.3370

■ 89.9930, -7.2900,
-0.0420

■ 93.8400, -11.2330,
-0.1690

■ 97.6870, -15.1760,
-0.2960

■ 101.6480,
-19.4400, -0.1120

Harmonies

Analogous

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



67.3290, 18.2470, 5.2150



66.6830, 17.0100, 0.0980



65.9980, 11.5090, -4.8350

Triad

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



66.6830, 17.0100, 0.0980



61.4490, -17.7420, -8.8620



67.5900, -4.3570, 7.3790

Complementary

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



66.6830, 17.0100, 0.0980



64.3170, -17.0100, -0.0980

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.



65.2080, -15.0850, 3.5630



66.6830, 17.0100, 0.0980



60.9090, -24.8490, -6.7130

Square

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



66.6830, 17.0100, 0.0980



62.8970, -7.3800, -9.4280



62.4410, -23.2910, -1.9070



67.9180, 6.4630, 9.5270

Rectangle

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



66.6830, 17.0100, 0.0980



65.1930, 6.4660, -7.0540



62.4410, -23.2910, -1.9070



66.7960, -7.9330, 6.1070

Sweetspot

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



66.6830, 17.0100, 0.0980



100.7080, 6.6940, -0.1700



60.9730, 13.7980, 14.2620



49.4520, 4.5390, 0.3390



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.



66.6830, 17.0100, 0.0980



81.3590, 26.7300, 0.1540



76.6620, 12.3350, -8.7930



38.7830, 2.1090, 0.3250



56.0490, 51.0300, 0.2940



123.9590, 112.6970, 0.5450

Inverse Universe

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



64.3170, -17.0100, -0.0980



77.6410, -26.7300, -0.1540



54.3380, -12.3350, 8.7930



38.6300, -1.8340, 0.1980



48.9510, -51.0300, -0.2940



108.0410, -112.6970, -0.5450

Previews

White Background



This preview shows how the YIQ color 66.6830, 17.0100, 0.0980 looks on a white background.

Color Contrast Check

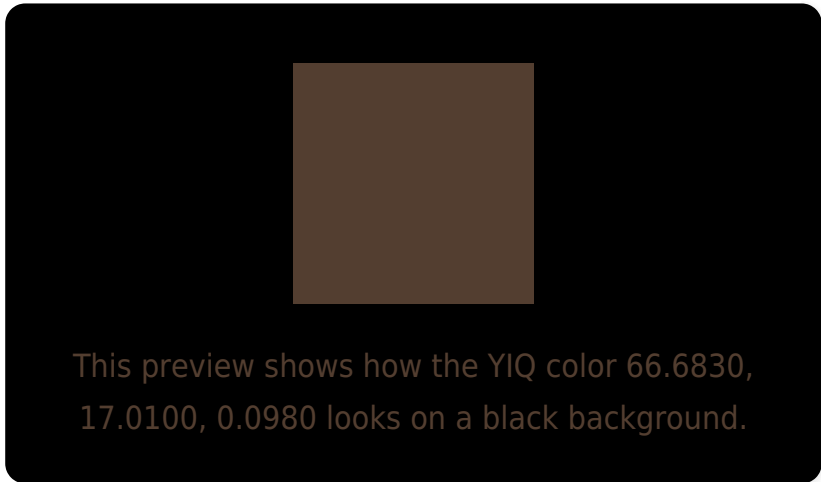
Large Text (above 18pt) WCAG AA ✓ Pass

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

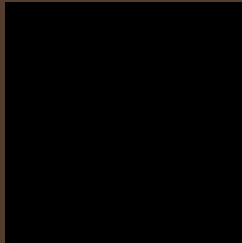
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 66.6830, 17.0100, 0.0980

Background



This preview shows how black text looks on a background with the YIQ color 66.6830, 17.0100, 0.0980.



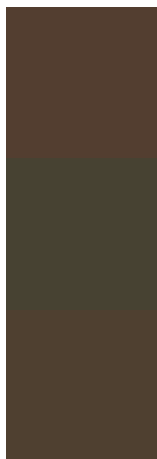
This preview shows how white text looks on a background with the YIQ color 66.6830, 17.0100,

0.0980.

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

66.6830, 17.0100, 0.0980

Protanopia

65.6710, 8.1160, -3.9160

Deuteranopia

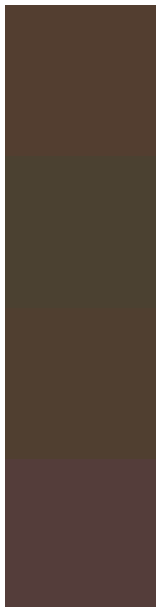
66.6610, 14.0760, -1.7960



Tritanopia

67.9310, 13.6160, 6.5440

Trichromacy



Original Color

66.6830, 17.0100, 0.0980

Protanomaly

66.1660, 11.0960, -2.8560

Deuteranomaly

66.3730, 14.9470, -1.0610

Tritanomaly

67.5350, 14.6710, 3.9430

Monochromacy



Original Color

66.6830, 17.0100, 0.0980

Achromatopsia

67.0000, -0.0000, -0.0000

Achromatomaly

66.8220, 6.3730, 0.1410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 66.6830, 17.0100, 0.0980 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(83, 62, 48)` looks like.

```
.text, #text, p{  
    color:rgb(83, 62, 48)  
}
```

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(83, 62, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 62, 48) }
```

Border

The CSS property to change the border of an element to YIQ 66.6830, 17.0100, 0.0980 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(83, 62, 48) }
```


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

```
.border{ border-color:rgb(83, 62, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 62, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 62, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 62, 48);  
box-shadow:4px 4px 4px 4px rgb(83, 62, 48)  
}
```

Background

The CSS property to change the background color of an element to YIQ 66.6830, 17.0100, 0.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 62, 48) }
```

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

```
.background{ background-color: rgb(83, 62,  
48) }
```

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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