

# Converting Colors

YIQ(83.1100, 41.0330, 10.7690)

Have a look what the booklet for  
YIQ(83.1100, 41.0330, 10.7690)  
contains.

<b>YIQ(83.1100, 41.0330, 10.7690)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(83.1100, 41.0330,  
10.7690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	814138
RGB	129, 65, 56
RGB Percent	51%, 25%, 22%
CMY	0.4940, 0.7452, 0.7802
CMYK	0.00, 0.50, 0.57, 0.49
HSL	7°, 39%, 36%
HSV	7°, 57%, 51%
XYZ	11.6626, 8.7335, 4.8180
YIQ	83.1100, 41.0330, 10.7690

# Conversions

## Conversions Part 2

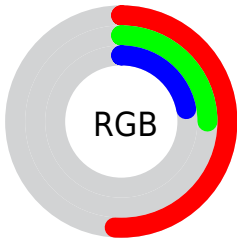
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 66, 56
Decimal	8470840
CIE Lab	35.47, 26.62, 17.99
CIE LCh	35, 32.134, 34.055
Yxy	8.7335, 0.4625, 0.3464
Android (android.graphics.Color)	4286660920 (0xFF814138)
YUV	83.1100, -13.3652, 40.2455
Hunter-Lab	29.5525, 18.7261, 11.0206

# Details

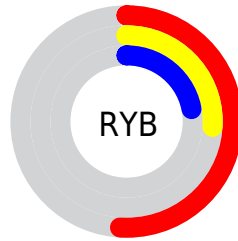
The YIQ color **83.1100, 41.0330, 10.7690** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **101.8900, -41.0330, -10.7690**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.9750, 45.8470, 11.6310**, and **34.7720, 36.1730, 10.7410** is the 20% darker color. If you saturate the color by 10%, you get **75.1710, 48.2310, 12.4790**, and if you desaturate by 10%, it is **91.0490, 33.8350, 9.0590**.

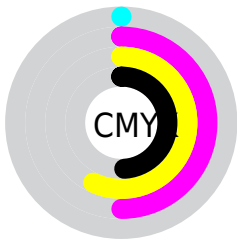
# Distribution



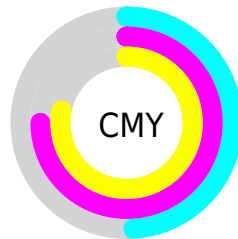
- Red (51%)
- Green (25%)
- Blue (22%)



- Red (51%)
- Yellow (26%)
- Blue (22%)



- Cyan (0%)
- Magenta (50%)
- Yellow (57%)
- Black (49%)



- Cyan (49%)
- Magenta (75%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 83.1100, 41.0330, 10.7690 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 83.1100, 41.0330, 10.7690 by changing the saturation by 10% instead.



■ 83.1100, 41.0330,  
10.7690

■ 83.1100, 41.0330,  
10.7690

255.0000, -0.0000,  
-0.0000

■ 59.0280, 38.3280,  
10.2320

■ 133.9750, 45.8470,  
11.6310

■ 34.7720, 36.1730,  
10.7410

■ 160.7580, 47.9560,  
11.9560

■ 14.9500, 29.8000,  
10.6000

■ 188.2420, 49.4690,  
12.0690

■ 5.0830, 10.1320,  
3.6040

■ 210.7570, 40.5290,  
8.8890

■ 0.0000, 0.0000,  
0.0000

■ 230.3850, 23.8410,  
2.9530

■ 250.6000, 6.8780,

-3.5060

■ 83.1100, 41.0330,  
10.7690

■ 83.1100, 41.0330,  
10.7690

■ 75.1710, 48.2310,  
12.4790

■ 91.0490, 33.8350,  
9.0590

■ 66.6450, 55.7040,  
14.7120

■ 99.5750, 26.3620,  
6.8260

■ 58.7060, 62.9020,  
16.4220

■ 107.5140, 19.1640,  
5.1160

■ 50.7670, 70.1000,  
18.1320

■ 115.4530, 11.9660,  
3.4060

■ 47.9630, 72.4840,  
18.9800

■ 123.9790, 4.4930,  
1.1730

■ 131.8040, -2.3840,  
-0.8480

■ 139.7430, -9.5820,  
-2.5580

■ 148.2690,  
-17.0550, -4.7910

■ 156.2080,  
-24.2530, -6.5010

# Harmonies

## Analogous

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



84.2100, 35.3000, 21.0600



83.1100, 41.0330, 10.7690



82.3400, 36.9090, -2.6030

# Triad

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



83.1100, 41.0330, 10.7690



72.1730, -26.3130, -24.2410



77.8430, -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.



83.1100, 41.0330, 10.7690



101.8900, -41.0330, -10.7690

# 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.



68.7100, -66.7090, -7.9970



83.1100, 41.0330, 10.7690



66.1560, -54.0060, -23.4620

# Square

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



83.1100, 41.0330, 10.7690



77.6080, 3.2590, -20.5250



69.0060, -62.0310, -15.6870



85.2990, -7.4310, 19.0410



# Rectangle

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



83.1100, 41.0330, 10.7690



81.2910, 29.4370, -10.3630



69.0060, -62.0310, -15.6870



70.2210, -60.6580, -2.0180

# Sweetspot

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



83.1100, 41.0330, 10.7690



150.1330, 15.8630, 4.3670



85.2370, 22.6430, 35.6910



73.2570, 9.5820, 2.5580



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



83.1100, 41.0330, 10.7690



96.3040, 64.0940, 16.8460



104.2420, 31.1330, -8.0590



59.6800, 3.8970, 0.9610



47.6640, 71.8880, 18.7680



0.0000, 0.0000, 0.0000



# Inverse Universe

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



101.8900, -41.0330, -10.7690



125.6960, -64.0940, -16.8460



80.7580, -31.1330, 8.0590



61.3200, -3.8970, -0.9610



80.3360, -71.8880, -18.7680



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 83.1100, 41.0330, 10.7690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

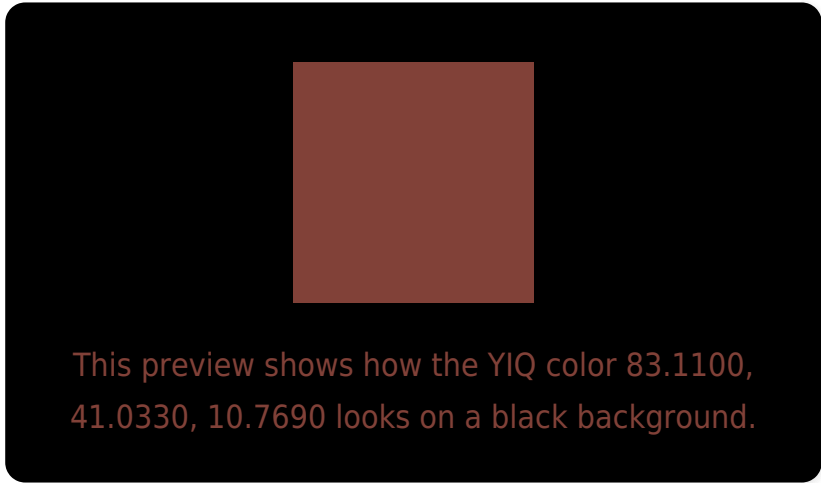
Any Text WCAG AA ✓ Pass

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

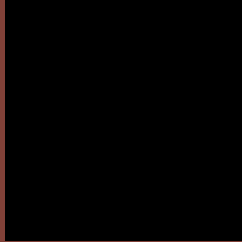
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 83.1100, 41.0330, 10.7690**

## **Background**



This preview shows how black text looks on a background with the YIQ color 83.1100, 41.0330, 10.7690.



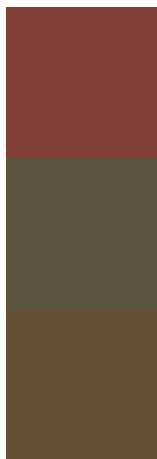
This preview shows how white text looks on a background with the YIQ color 83.1100, 41.0330,



# 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

83.1100, 41.0330, 10.7690

### Protanopia

83.5140, 9.9960, -4.9480

### Deuteranopia

83.2010, 21.1830, -3.9450



## Tritanopia

83.6030, 38.3270, 15.7590

# Trichromacy



## Original Color

83.1100, 41.0330, 10.7690

## Protanomaly

83.2490, 21.2280, 0.7480

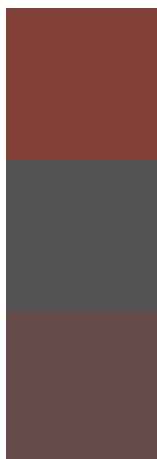
## Deuteranomaly

83.3700, 28.1970, 1.1010

## Tritanomaly

83.7340, 39.3360, 13.9920

# Monochromacy



## Original Color

83.1100, 41.0330, 10.7690

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

82.8340, 15.2670, 4.1550

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 83.1100, 41.0330, 10.7690 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(129, 65, 56)` looks like.

```
.text, #text, p{  
    color:rgb(129, 65, 56)  
}
```

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(129, 65, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 65, 56) }
```

## Border

The CSS property to change the border of an element to YIQ 83.1100, 41.0330, 10.7690 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(129, 65, 56) }
```



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

```
.border{ border-color:rgb(129, 65, 56) }
```

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

Here you see how a box with a 4 pixel rgb(129, 65, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 65, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 65, 56);  
box-shadow:4px 4px 4px 4px rgb(129, 65,  
56) }
```

# Background

The CSS property to change the background color of an element to YIQ 83.1100, 41.0330, 10.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 65, 56) }
```

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

```
.background{ background-color: rgb(129, 65,  
56) }
```

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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