

# Converting Colors

YIQ(83.8510, 42.9600, 3.3760)

Have a look what the booklet for  
YIQ(83.8510, 42.9600, 3.3760)  
contains.

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# Color

**YIQ(83.8510, 42.9600,  
3.3760)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>             |
|---------------|--------------------------|
| Hex           | 7F462A                   |
| RGB           | 127, 70, 42              |
| RGB Percent   | 50%, 27%, 16%            |
| CMY           | 0.5018, 0.7256, 0.8351   |
| CMYK          | 0.00, 0.45, 0.67, 0.50   |
| HSL           | 20°, 50%, 33%            |
| HSV           | 20°, 67%, 50%            |
| XYZ           | 11.3643, 9.0592, 3.3447  |
| YIQ           | 83.8510, 42.9600, 3.3760 |

# Conversions

## Conversions Part 2

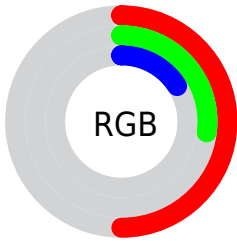
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 127, 84, 42                   |
| Decimal                             | 8341034                       |
| CIELab                              | 36.10, 21.76, 27.19           |
| CIELCh                              | 36, 34.825, 51.323            |
| Yxy                                 | 9.0592, 0.4781,<br>0.3811     |
| Android<br>(android.graphics.Color) | 4286531114<br>(0xFF7F462A)    |
| YUV                                 | 83.8510, -20.6325,<br>37.8417 |
| Hunter-Lab                          | 30.0985, 14.7243,<br>14.4803  |

# Details

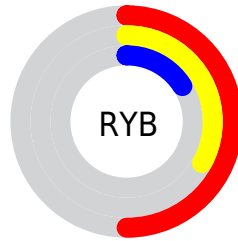
The YIQ color **83.8510, 42.9600, 3.3760** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **85.1490, -42.9600, -3.3760**, and the grayscale version is **84.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **134.6020, 48.0950, 3.9270**, and **36.8010, 37.2290, 2.6130** is the 20% darker color. If you saturate the color by 10%, you get **77.0860, 49.6080, 4.0400**, and if you desaturate by 10%, it is **90.6160, 36.3120, 2.7120**.

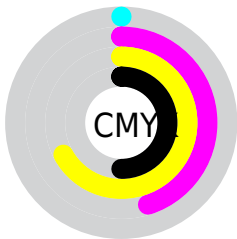
# Distribution



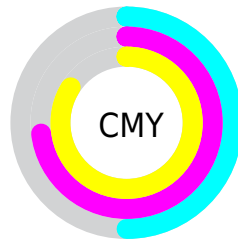
- Red (50%)
- Green (27%)
- Blue (16%)



- Red (50%)
- Yellow (33%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (67%)
- Black (50%)



- Cyan (50%)
- Magenta (73%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 83.8510, 42.9600, 3.3760 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 83.8510, 42.9600, 3.3760 by changing the saturation by 10% instead.



■ 83.8510, 42.9600,  
3.3760

■ 83.8510, 42.9600,  
3.3760

■ 255.0000, -0.0000,  
-0.0000

■ 59.8830, 39.9340,  
3.1500

■ 134.6020, 48.0950,  
3.9270

■ 36.8010, 37.2290,  
2.6130

■ 161.3850, 50.2040,  
4.2520

■ 16.1130, 27.7830,  
8.6070

■ 189.1680, 52.3130,  
4.5770

■ 3.8870, 7.7480,  
2.7560

■ 211.8680, 44.2900,  
1.2980

■ 0.0000, 0.0000,  
0.0000

■ 231.3820, 27.9230,  
-4.9490

■ 251.0100, 11.2350,

-10.8850

254.3160, 1.9260,  
-1.8660

83.8510, 42.9600,  
3.3760

83.8510, 42.9600,  
3.3760

77.0860, 49.6080,  
4.0400

90.6160, 36.3120,  
2.7120

71.0220, 55.6600,  
4.4920

96.6800, 30.2600,  
2.2600

64.2570, 62.3080,  
5.1560

103.4450, 23.6120,  
1.5960

62.6270, 64.1420,  
4.9580

109.6230, 17.2390,  
1.4550

116.3880, 10.5910,  
0.7910

■ 122.4520, 4.5390,  
0.3390

■ 129.2170, -2.1090,  
-0.3250

■ 135.3950, -8.4820,  
-0.4660

■ 142.0460,  
-14.8090, -1.4410

# Harmonies

## Analogous

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



84.5820, 42.8200, 16.9320



83.8510, 42.9600, 3.3760



82.6180, 32.8300, -11.2820

# Triad

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



83.8510, 42.9600, 3.3760



66.1900, -51.3460, -27.6180



84.6930, -23.3400, 15.5080

# Complementary

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



83.8510, 42.9600, 3.3760



85.1490, -42.9600, -3.3760

# 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.



68.7900, -69.6900, -3.5300



83.8510, 42.9600, 3.3760



69.9690, -60.6090, -19.4330

# Square

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



83.8510, 42.9600, 3.3760



75.4040, -13.8420, -24.4820



70.9440, -67.4880, -10.4000



87.3720, 8.6610, 24.7650



# Rectangle

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



83.8510, 42.9600, 3.3760



81.0570, 21.0480, -18.0240



70.9440, -67.4880, -10.4000



81.4140, -35.8560, 11.0560

# Sweetspot

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



83.8510, 42.9600, 3.3760



148.7370, 16.9180, 1.7660



74.0270, 32.0420, 36.0580



74.0890, 9.9950, 0.5790



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.



83.8510, 42.9600, 3.3760



98.5950, 67.1680, 5.1840



107.9180, 31.6850, -18.0670



60.2670, 3.6220, 0.4380



62.9260, 64.7380, 5.1700



0.0000, 0.0000, 0.0000



# Inverse Universe

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



85.1490, -42.9600, -3.3760



100.4050, -67.1680, -5.1840



61.0820, -31.6850, 18.0670



60.7330, -3.6220, -0.4380



65.0740, -64.7380, -5.1700



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 83.8510, 42.9600, 3.3760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

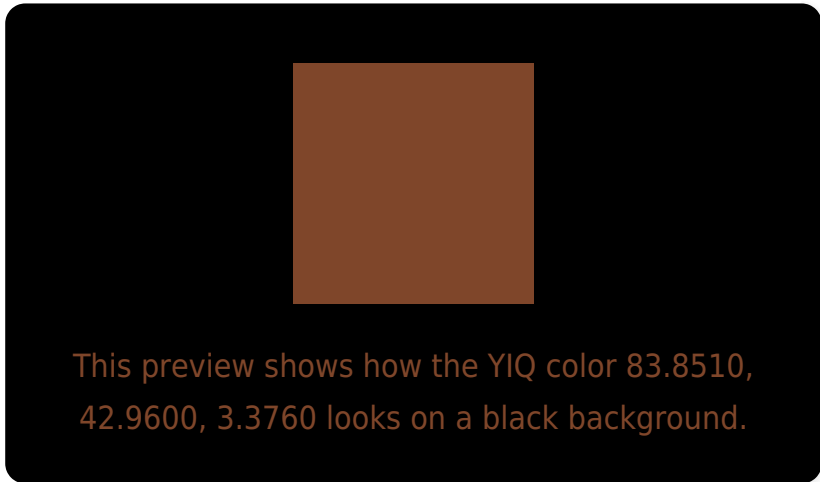
Any Text WCAG AA ✓ Pass

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 83.8510, 42.9600, 3.3760**

## **Background**



This preview shows how black text looks on a background with the YIQ color 83.8510, 42.9600, 3.3760.



This preview shows how white text looks on a background with the YIQ color 83.8510, 42.9600,



# 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

83.8510, 42.9600, 3.3760

### Protanopia

83.9460, 17.2870, -10.4330

### Deuteranopia

83.6870, 28.3820, -7.7620



## Tritanopia

85.4070, 35.9430, 14.9110

# Trichromacy



## Original Color

83.8510, 42.9600, 3.3760

## Protanomaly

83.7840, 26.7310, -5.3730

## Deuteranomaly

83.8450, 33.9290, -3.6630

## Tritanomaly

84.4410, 38.6030, 10.7550

# Monochromacy



## Original Color

83.8510, 42.9600, 3.3760

## Achromatopsia

84.0000, -0.0000, -0.0000

## Achromatomaly

84.1390, 15.7260, 1.3420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 83.8510, 42.9600, 3.3760 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(127, 70, 42)` looks like.

```
.text, #text, p{  
    color:rgb(127, 70, 42)  
}
```

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(127, 70, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 70, 42) }
```

## Border

The CSS property to change the border of an element to YIQ 83.8510, 42.9600, 3.3760 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(127, 70, 42) }
```



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

```
.border{ border-color:rgb(127, 70, 42) }
```

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

Here you see how a box with a 4 pixel rgb(127, 70, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 70, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 70, 42);  
box-shadow:4px 4px 4px 4px rgb(127, 70,  
42) }
```

# Background

The CSS property to change the background color of an element to YIQ 83.8510, 42.9600, 3.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 70, 42) }
```

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

```
.background{ background-color: rgb(127, 70,  
42) }
```

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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