

Converting Colors

YIQ(83.0860, 67.9440, 24.1680)

Have a look what the booklet for
YIQ(83.0860, 67.9440, 24.1680)
contains.

YIQ(83.0860, 67.9440, 24.1680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(83.0860, 67.9440,
24.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	A33131
RGB	163, 49, 49
RGB Percent	64%, 19%, 19%
CMY	0.3605, 0.8080, 0.8076
CMYK	0.00, 0.70, 0.70, 0.36
HSL	360°, 54%, 42%
HSV	360°, 70%, 64%
XYZ	16.7706, 10.2088, 3.9999
YIQ	83.0860, 67.9440, 24.1680

Conversions

Conversions Part 2

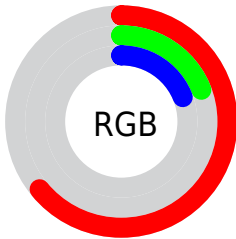
Format	Color
RYB	163, 49, 49
Decimal	10694961
CIELab	38.21, 46.76, 26.99
CIELCh	38, 53.986, 29.994
Yxy	10.2088, 0.5413, 0.3295
Android (android.graphics.Color)	4288885041 (0xFFA33131)
YUV	83.0860, -16.8044, 70.0846
Hunter-Lab	31.9512, 37.7766, 14.9434

Details

The YIQ color **83.0860, 67.9440, 24.1680** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **128.9140, -67.9440, -24.1680**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **137.3810, 74.3630, 23.4750**, and **31.5520, 60.7000, 23.2920** is the 20% darker color. If you saturate the color by 10%, you get **71.8700, 77.4800, 27.5600**, and if you desaturate by 10%, it is **94.3020, 58.4080, 20.7760**.

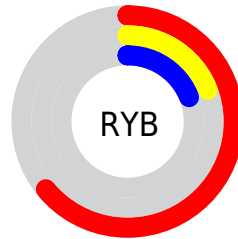
Distribution



Red (64%)

Green (19%)

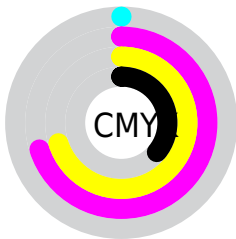
Blue (19%)



Red (64%)

Yellow (19%)

Blue (19%)

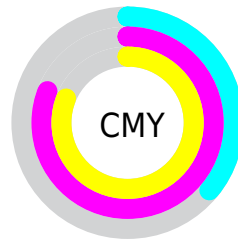


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (36%)



Cyan (36%)


Magenta (81%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 83.0860, 67.9440, 24.1680 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 83.0860, 67.9440, 24.1680 by changing the saturation by 10% instead.


 83.0860, 67.9440,
24.1680


 83.0860, 67.9440,
24.1680

255.0000, -0.0000,
-0.0000


 53.5250, 65.3300,
27.4900


 137.6800, 74.9590,
23.6870


 31.5520, 60.7000,
23.2920

 165.3490, 77.3890,
23.7010


 22.4250, 44.7000,
15.9000

 185.0480, 61.9390,
17.3550

 14.8790, 28.5620,
11.0100

 203.9750, 45.8470,
11.6310

 0.0000, 0.0000,
0.0000

 224.0760, 29.2050,
4.8610

 244.2910, 12.2420,

-1.5980

■ 83.0860, 67.9440,
24.1680

■ 83.0860, 67.9440,
24.1680

■ 71.8700, 77.4800,
27.5600

■ 94.3020, 58.4080,
20.7760

■ 59.9530, 87.6120,
31.1640

■ 106.2190, 48.2760,
17.1720

■ 48.7370, 97.1480,
34.5560

■ 117.4350, 38.7400,
13.7800

■ 128.6510, 29.2040,
10.3880

■ 139.9810, 19.3470,
7.3070

■ 151.7840, 9.5360,
3.3920

■ 163.0000, -0.0000,
-0.0000

■ 174.2160, -9.5360,
-3.3920

■ 186.1330,
-19.6680, -6.9960

Harmonies

Analogous

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



82.7160, 58.0830, 43.1950



83.0860, 67.9440, 24.1680



84.3030, 64.6940, -5.0500

Triad

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



83.0860, 67.9440, 24.1680



67.1240, -42.9530, -42.0650



76.0570, -83.2630, 5.6730

Complementary

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



83.0860, 67.9440, 24.1680



128.9140, -67.9440, -24.1680

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.



80.5590, -82.1610, -3.2890



83.0860, 67.9440, 24.1680



74.1290, -58.5440, -29.3280

Square

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



83.0860, 67.9440, 24.1680



78.4340, 11.8360, -38.3080



79.1450, -72.6680, -15.6440



90.4240, -23.4800, 29.0640

Rectangle

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



83.0860, 67.9440, 24.1680



84.9000, 49.2910, -17.7570



79.1450, -72.6680, -15.6440



78.8780, -84.3170, 2.7470

Sweetspot

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



83.0860, 67.9440, 24.1680



180.4550, 26.8200, 9.5400



95.4840, 30.1580, 59.1980



88.0730, 16.0920, 5.7240



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



83.0860, 67.9440, 24.1680



87.2220, 106.0880, 37.7360



115.3710, 52.8190, -4.5970



75.6910, 5.3640, 1.9080



43.3550, 86.4200, 30.7400



5.3820, 10.7280, 3.8160

Inverse Universe

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



83.0860, 67.9440, 24.1680



87.2220, 106.0880, 37.7360



96.6290, -52.8190, 4.5970



75.6910, 5.3640, 1.9080



43.3550, 86.4200, 30.7400



5.3820, 10.7280, 3.8160

Previews

White Background



This preview shows how the YIQ color 83.0860, 67.9440, 24.1680 looks on a white background.

Color Contrast Check

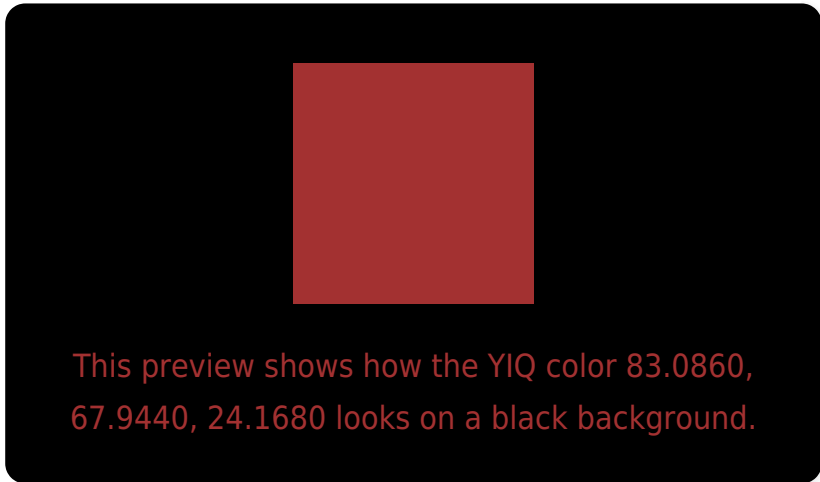
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

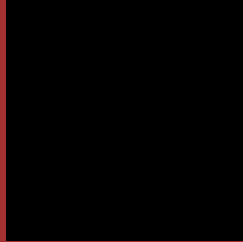
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.0860, 67.9440, 24.1680

Background



This preview shows how black text looks on a background with the YIQ color 83.0860, 67.9440, 24.1680.



This preview shows how white text looks on a background with the YIQ color 83.0860, 67.9440,

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

83.0860, 67.9440, 24.1680

Protanopia

90.0150, 12.8390, -6.9130

Deuteranopia

89.3450, 29.3450, -8.6950



Tritanopia

83.3140, 67.3020, 24.7900

Trichromacy



Original Color

83.0860, 67.9440, 24.1680

Protanomaly

87.8160, 32.8730, 4.4650

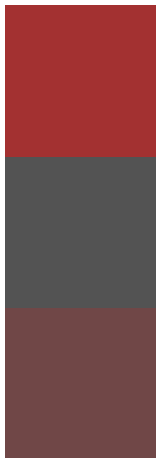
Deuteranomaly

87.1500, 43.5560, 3.5880

Tritanomaly

83.2000, 67.6230, 24.4790

Monochromacy



Original Color

83.0860, 67.9440, 24.1680

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

83.2590, 24.4360, 8.6920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.0860, 67.9440, 24.1680 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(163, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(163, 49, 49)  
}
```

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(163, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 49, 49) }
```

Border

The CSS property to change the border of an element to YIQ 83.0860, 67.9440, 24.1680 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(163, 49, 49) }
```


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

```
.border{ border-color:rgb(163, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(163, 49,  
49) }
```

Background

The CSS property to change the background color of an element to YIQ 83.0860, 67.9440, 24.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 49, 49) }
```

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

```
.background{ background-color: rgb(163, 49,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor