

Converting Colors

YIQ(85.9540, 33.1450, 21.5690)

Have a look what the booklet for
YIQ(85.9540, 33.1450, 21.5690)
contains.

YIQ(85.9540, 33.1450, 21.5690)	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(85.9540, 33.1450,
21.5690)**

Conversions

Conversions Part 1

Format	Color
Hex	833F56
RGB	131, 63, 86
RGB Percent	51%, 25%, 34%
CMY	0.4861, 0.7530, 0.6626
CMYK	0.00, 0.52, 0.34, 0.49
HSL	340°, 35%, 38%
HSV	340°, 52%, 51%
XYZ	12.8238, 9.0531, 9.8818
YIQ	85.9540, 33.1450, 21.5690

Conversions

Conversions Part 2

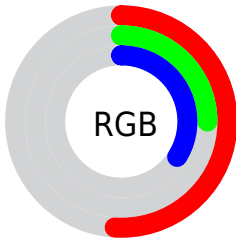
Format	Color
R_YB	131, 63, 86
Decimal	8601430
CIE _{Lab}	36.09, 31.94, -0.07
CIE _{LCh}	36, 31.937, 359.867
Yxy	9.0531, 0.4038, 0.2851
Android (android.graphics.Color)	4286791510 (0xFF833F56)
YUV	85.9540, 0.0227, 39.5053
Hunter-Lab	30.0884, 23.4232, 1.5895

Details

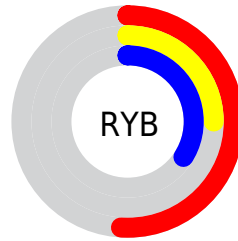
The YIQ color **85.9540, 33.1450, 21.5690** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **108.0460, -33.1450, -21.5690**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.4490, 36.1250, 22.6290**, and **36.5130, 30.0730, 22.1770** is the 20% darker color. If you saturate the color by 10%, you get **77.2970, 39.6090, 25.5690**, and if you desaturate by 10%, it is **94.6110, 26.6810, 17.5690**.

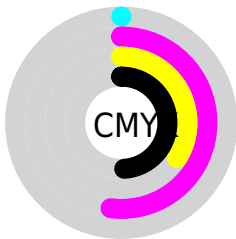
Distribution



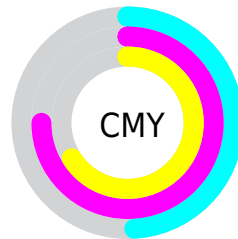
- Red (51%)
- Green (25%)
- Blue (34%)



- Red (51%)
- Yellow (25%)
- Blue (34%)



- Cyan (0%)
- Magenta (52%)
- Yellow (34%)
- Black (49%)



- Cyan (49%)
- Magenta (75%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.9540, 33.1450, 21.5690 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 85.9540, 33.1450, 21.5690 by changing the saturation by 10% instead.

85.9540, 33.1450,
21.5690

85.9540, 33.1450,
21.5690

255.0000, -0.0000,
-0.0000

61.4700, 31.6320,
21.4560

137.4490, 36.1250,
22.6290

36.5130, 30.0730,
22.1770

164.3460, 37.9130,
23.2650

18.5400, 25.4430,
17.9790

191.9440, 39.1050,
23.6890

8.4860, 16.3670,
6.2470

214.2740, 29.2480,
20.6080

0.0000, 0.0000,
0.0000

233.9020, 12.5600,
14.6720

252.0650, 1.3750,

2.6150

■ 85.9540, 33.1450,
21.5690

■ 85.9540, 33.1450,
21.5690

■ 77.2970, 39.6090,
25.5690

■ 94.6110, 26.6810,
17.5690

■ 68.7540, 45.7520,
29.8800

■ 103.1540, 20.5380,
13.2580

■ 60.0970, 52.2160,
33.8800

■ 111.8110, 14.0740,
9.2580

■ 51.4400, 58.6800,
37.8800

■ 120.4680, 7.6100,
5.2580

■ 44.1850, 63.9520,
41.4560

■ 129.0110, 1.4670,
0.9470

■ 138.2550, -5.2720,
-3.5760

■ 146.9120,
-11.7360, -7.5760

■ 155.4550,
-17.8790, -11.8870

■ 164.1120,
-24.3430, -15.8870

Harmonies

Analogous

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



87.2540, 14.8050, 23.5490



85.9540, 33.1450, 21.5690



84.8650, 40.3450, 12.2250

Triad

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



85.9540, 33.1450, 21.5690



79.9890, 6.5600, -19.7760



69.8840, -67.2590, -9.0430

Complementary

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



85.9540, 33.1450, 21.5690



108.0460, -33.1450, -21.5690

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.



69.4790, -61.9850, -16.5210



85.9540, 33.1450, 21.5690



74.9240, -21.1780, -23.6900

Square

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



85.9540, 33.1450, 21.5690



82.2690, 26.5030, -12.2570



67.1020, -53.9140, -25.1300



77.6250, -46.9960, 3.6920

Rectangle

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



85.9540, 33.1450, 21.5690



84.4100, 39.8880, 3.9840



67.1020, -53.9140, -25.1300



70.3740, -65.8830, -11.9550

Sweetspot

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



85.9540, 33.1450, 21.5690



153.0990, 13.2030, 8.5230



83.9080, 4.3960, 30.4760



75.7670, 8.2060, 5.4700



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



85.9540, 33.1450, 21.5690



100.7980, 51.6200, 33.6680



89.2020, 37.7780, 9.1860



62.0220, 2.9340, 1.8940



43.8860, 63.3560, 41.2440



1.0110, 1.4670, 0.9470

Inverse Universe

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



85.9540, 33.1450, 21.5690



100.7980, 51.6200, 33.6680



104.7980, -37.7780, -9.1860



62.0220, 2.9340, 1.8940



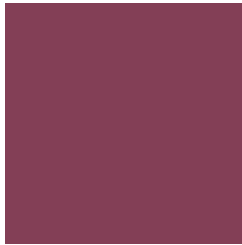
43.8860, 63.3560, 41.2440



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 85.9540, 33.1450, 21.5690 looks on a white background.

Color Contrast Check

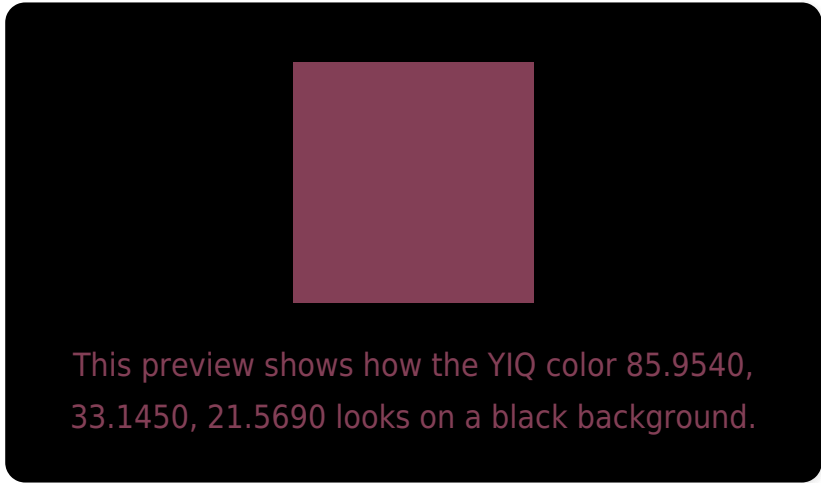
Large Text (above 18pt) WCAG AA ✓ Pass

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

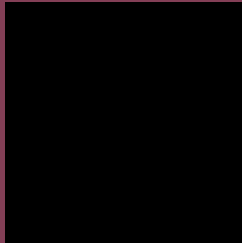
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.9540, 33.1450, 21.5690

Background



This preview shows how black text looks on a background with the YIQ color 85.9540, 33.1450, 21.5690.



This preview shows how white text looks on a background with the YIQ color 85.9540, 33.1450,

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

85.9540, 33.1450, 21.5690

Protanopia

85.9980, -5.6860, 3.9300

Deuteranopia

86.5880, 7.1520, 2.5440



Tritanopia

85.7060, 36.5390, 15.1230

Trichromacy



Original Color

85.9540, 33.1450, 21.5690

Protanomaly

85.8150, 8.2510, 10.1630

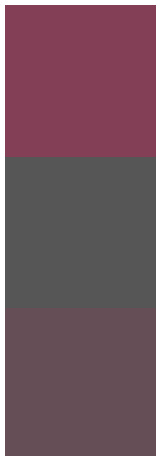
Deuteranomaly

86.4800, 16.5040, 9.2720

Tritanomaly

85.6890, 35.2090, 17.2010

Monochromacy



Original Color

85.9540, 33.1450, 21.5690

Achromatopsia

86.0000, -0.0000, -0.0000

Achromatomaly

86.0880, 11.7360, 7.5760

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.9540, 33.1450, 21.5690 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(131, 63, 86)` looks like.

```
.text, #text, p{  
    color:rgb(131, 63, 86)  
}
```

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(131, 63, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 63, 86) }
```

Border

The CSS property to change the border of an element to YIQ 85.9540, 33.1450, 21.5690 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(131, 63, 86) }
```


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

```
.border{ border-color:rgb(131, 63, 86) }
```

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

Here you see how a box with a 4 pixel rgb(131, 63, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 63, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 63, 86);  
box-shadow:4px 4px 4px 4px rgb(131, 63,  
86) }
```

Background

The CSS property to change the background color of an element to YIQ 85.9540, 33.1450, 21.5690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 63, 86) }
```

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

```
.background{ background-color: rgb(131, 63,  
86) }
```

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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