

Converting Colors

YIQ(87.6750, 29.7970, 27.1810)

Have a look what the booklet for
YIQ(87.6750, 29.7970, 27.1810)
contains.

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Color

**YIQ(87.6750, 29.7970,
27.1810)**

Conversions

Conversions Part 1

Format	Color
Hex	853E65
RGB	133, 62, 101
RGB Percent	52%, 24%, 40%
CMY	0.4782, 0.7570, 0.6038
CMYK	0.00, 0.53, 0.24, 0.48
HSL	327°, 36%, 38%
HSV	327°, 53%, 52%
XYZ	13.7517, 9.3726, 13.4020
YIQ	87.6750, 29.7970, 27.1810

Conversions

Conversions Part 2

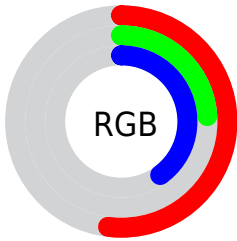
Format	Color
R_{YB}	133, 62, 101
Decimal	8732261
CIE _{Lab}	36.69, 35.37, -8.64
CIE _{LCh}	37, 36.407, 346.274
Yxy	9.3726, 0.3765, 0.2566
Android (android.graphics.Color)	4286922341 (0xFF853E65)
YUV	87.6750, 6.5692, 39.7500
Hunter-Lab	30.6147, 26.6041, -4.5247

Details

The YIQ color **87.6750, 29.7970, 27.1810** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **107.3250, -29.7970, -27.1810**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.2840, 32.4560, 28.5520**, and **36.8320, 27.9170, 28.2130** is the 20% darker color. If you saturate the color by 10%, you get **79.3600, 35.2980, 32.1140**, and if you desaturate by 10%, it is **95.9900, 24.2960, 22.2480**.

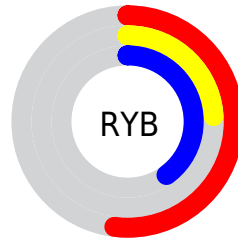
Distribution



Red (52%)

Green (24%)

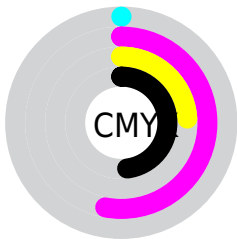
Blue (40%)



Red (52%)

Yellow (24%)

Blue (40%)

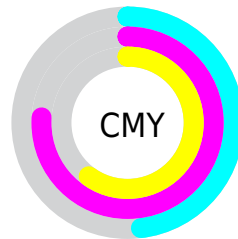


Cyan (0%)

Magenta (53%)

Yellow (24%)

Black (48%)



Cyan (48%)

Magenta (76%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.6750, 29.7970, 27.1810 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 87.6750, 29.7970, 27.1810 by changing the saturation by 10% instead.

87.6750, 29.7970,
27.1810

87.6750, 29.7970,
27.1810

255.0000, -0.0000,
-0.0000

62.4900, 28.8800,
27.2800

139.2840, 32.4560,
28.5520

36.2450, 28.1920,
28.7360

166.2950, 33.9230,
29.4990

20.5060, 22.7830,
22.1350

193.8930, 35.1150,
29.9230

11.0780, 17.6960,
9.6960

216.2120, 23.7910,
25.8950

0.0000, 0.0000,
0.0000

235.0420, 9.3500,
17.7820

252.0650, 1.3750,

2.6150

■ 87.6750, 29.7970,
27.1810

■ 87.6750, 29.7970,
27.1810

■ 79.3600, 35.2980,
32.1140

■ 95.9900, 24.2960,
22.2480

■ 70.4580, 41.0740,
37.5700

■ 104.8920, 18.5200,
16.7920

■ 62.1430, 46.5750,
42.5030

■ 113.2070, 13.0190,
11.8590

■ 53.8280, 52.0760,
47.4360

■ 121.5220, 7.5180,
6.9260

■ 48.0890, 55.8350,
50.8990

■ 129.8370, 2.0170,
1.9930

■ 138.7390, -3.7590,
-3.4630

■ 147.0540, -9.2600,
-8.3960

■ 155.3690,
-14.7610, -13.3290

■ 164.2710,
-20.5370, -18.7850

Harmonies

Analogous

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



89.0340, 3.8010, 24.7370



87.6750, 29.7970, 27.1810



85.8750, 43.5530, 20.1690

Triad

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



87.6750, 29.7970, 27.1810



81.8070, 18.7560, -20.5400



72.7050, -68.3130, -11.9690

Complementary

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



87.6750, 29.7970, 27.1810



107.3250, -29.7970, -27.1810

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.



70.9150, -60.5170, -21.1010



87.6750, 29.7970, 27.1810



77.2150, -8.9360, -25.2880

Square

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



87.6750, 29.7970, 27.1810



84.1240, 37.2770, -9.2750



66.7940, -50.2910, -30.2190



70.8930, -71.4780, -4.1660

Rectangle

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



87.6750, 29.7970, 27.1810



85.1600, 46.7640, 11.5320



66.7940, -50.2910, -30.2190



72.3800, -66.0200, -14.9800

Sweetspot

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



87.6750, 29.7970, 27.1810



155.7830, 11.2770, 10.3890



79.6620, -3.7190, 28.8650



76.1090, 7.2430, 6.4030



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.



87.6750, 29.7970, 27.1810



102.1430, 46.5750, 42.5030



83.6850, 41.0320, 16.2960



62.1360, 2.6130, 2.2050



46.9640, 54.6890, 49.6410



1.0110, 1.4670, 0.9470

Inverse Universe

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



87.6750, 29.7970, 27.1810



102.1430, 46.5750, 42.5030



111.3150, -41.0320, -16.2960



62.1360, 2.6130, 2.2050



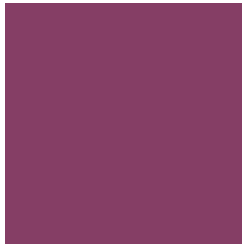
46.9640, 54.6890, 49.6410



1.0110, 1.4670, 0.9470

Previews

White Background



This preview shows how the YIQ color 87.6750, 29.7970, 27.1810 looks on a white background.

Color Contrast Check

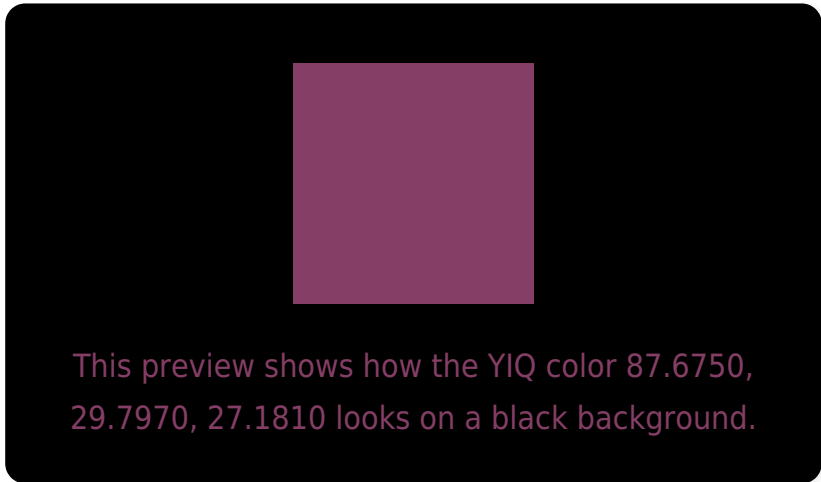
Large Text (above 18pt) WCAG AA ✓ Pass

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

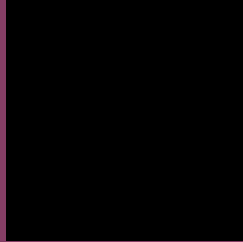
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.6750, 29.7970, 27.1810

Background



This preview shows how black text looks on a background with the YIQ color 87.6750, 29.7970, 27.1810.



This preview shows how white text looks on a background with the YIQ color 87.6750, 29.7970,

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

87.6750, 29.7970, 27.1810

Protanopia

87.2560, -15.0400, 8.2560

Deuteranopia

88.1620, -0.2760, 5.0040



Tritanopia

87.1080, 35.3470, 14.6990

Trichromacy



Original Color

87.6750, 29.7970, 27.1810

Protanomaly

87.2690, 1.2810, 15.3370

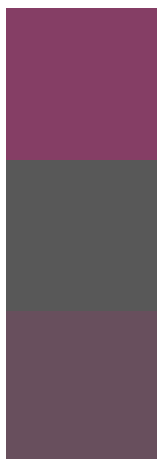
Deuteranomaly

88.0650, 10.5430, 12.6790

Tritanomaly

87.3730, 33.2830, 19.0670

Monochromacy



Original Color

87.6750, 29.7970, 27.1810

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.0710, 10.4060, 9.6540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.6750, 29.7970, 27.1810 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(133, 62, 101)` looks like.

```
.text, #text, p{  
    color:rgb(133, 62, 101)  
}
```

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(133, 62, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 62, 101) }
```

Border

The CSS property to change the border of an element to YIQ 87.6750, 29.7970, 27.1810 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(133, 62, 101) }
```


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

```
.border{ border-color:rgb(133, 62, 101) }
```

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

Here you see how a box with a 4 pixel rgb(133, 62, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 62, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 62, 101);  
box-shadow:4px 4px 4px 4px rgb(133, 62,  
101) }
```

Background

The CSS property to change the background color of an element to YIQ 87.6750, 29.7970, 27.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 62, 101) }
```

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

```
.background{ background-color: rgb(133, 62,  
101) }
```

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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