

Converting Colors

YIQ(83.5370, 21.4980, 28.9060)

Have a look what the booklet for
YIQ(83.5370, 21.4980, 28.9060)
contains.

YIQ(83.5370, 21.4980, 28.9060)	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(83.5370, 21.4980,
28.9060)**

Conversions

Conversions Part 1

Format	Color
Hex	7A3B6D
RGB	122, 59, 109
RGB Percent	48%, 23%, 43%
CMY	0.5214, 0.7687, 0.5725
CMYK	0.00, 0.52, 0.11, 0.52
HSL	312°, 35%, 35%
HSV	312°, 52%, 48%
XYZ	12.3561, 8.3705, 15.4358
YIQ	83.5370, 21.4980, 28.9060

Conversions

Conversions Part 2

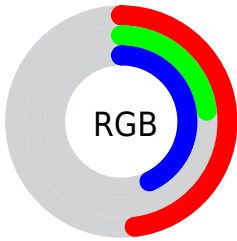
Format	Color
R_{YB}	122, 59, 109
Decimal	8010605
CIE _{Lab}	34.74, 34.57, -16.80
CIE _{LCh}	35, 38.435, 334.086
Yxy	8.3705, 0.3417, 0.2315
Android (android.graphics.Color)	4286200685 (0xFF7A3B6D)
YUV	83.5370, 12.5533, 33.7321
Hunter-Lab	28.9319, 25.6024, -11.3802

Details

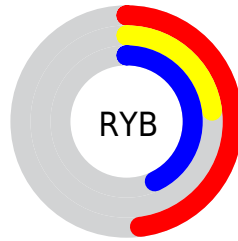
The YIQ color **83.5370, 21.4980, 28.9060** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **97.4630, -21.4980, -28.9060**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **134.9610, 23.2400, 30.3760**, and **32.8790, 20.5350, 29.8390** is the 20% darker color. If you saturate the color by 10%, you get **76.1510, 25.7610, 34.2490**, and if you desaturate by 10%, it is **90.9230, 17.2350, 23.5630**.

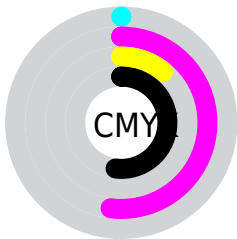
Distribution



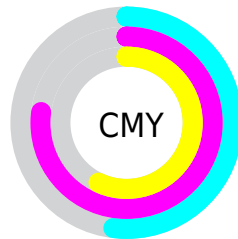
- Red (48%)
- Green (23%)
- Blue (43%)



- Red (48%)
- Yellow (23%)
- Blue (43%)



- Cyan (0%)
- Magenta (52%)
- Yellow (11%)
- Black (52%)



- Cyan (52%)
- Magenta (77%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.5370, 21.4980, 28.9060 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 83.5370, 21.4980, 28.9060 by changing the saturation by 10% instead.

83.5370, 21.4980,
28.9060

83.5370, 21.4980,
28.9060

255.0000, -0.0000,
-0.0000

58.9390, 20.3060,
28.4820

134.9610, 23.2400,
30.3760

32.8790, 20.5350,
29.8390

161.6730, 24.1110,
31.1110

18.7980, 16.0890,
22.3050

189.3850, 24.9820,
31.8460

7.7330, 5.5460,
9.6260

215.0040, 21.6810,
31.0970

0.0000, 0.0000,
0.0000

232.6940, 10.4500,
19.8740

249.7170, 2.4750,

4.7070

■ 83.5370, 21.4980,
28.9060

■ 83.5370, 21.4980,
28.9060

■ 76.1510, 25.7610,
34.2490

■ 90.9230, 17.2350,
23.5630

■ 68.8790, 29.7030,
39.9030

■ 98.1950, 13.2930,
17.9090

■ 60.9060, 34.2410,
45.7690

■ 106.1680, 8.7550,
12.0430

■ 53.6340, 38.1830,
51.4230

■ 113.4400, 4.8130,
6.3890

■ 47.5360, 41.5750,
56.0310

■ 120.8260, 0.5500,
1.0460

■ 128.0980, -3.3920,
-4.6080

■ 135.4840, -7.6550,
-9.9510

■ 143.3430,
-11.8720, -16.1280

■ 150.7290,
-16.1350, -21.4710

Harmonies

Analogous

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



83.7380, -10.0450, 22.3630



83.5370, 21.4980, 28.9060



81.0800, 41.7180, 25.8940

Triad

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



83.5370, 21.4980, 28.9060



77.8360, 28.9800, -18.6040



69.4620, -63.3150, -14.4430

Complementary

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



83.5370, 21.4980, 28.9060



97.4630, -21.4980, -28.9060

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.



66.0420, -53.6850, -23.7730



83.5370, 21.4980, 28.9060



74.4460, 3.5350, -25.5290

Square

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



83.5370, 21.4980, 28.9060



79.5210, 43.6490, -3.6070



62.5300, -40.8000, -31.5200



69.5080, -68.9560, -5.8200

Rectangle

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



83.5370, 21.4980, 28.9060



79.9740, 47.5880, 18.6280



62.5300, -40.8000, -31.5200



68.4360, -60.4260, -17.2420

Sweetspot

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



83.5370, 21.4980, 28.9060



142.7550, 8.4800, 11.5200



70.0690, -12.4750, 22.3490



69.8530, 5.0880, 6.9120



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



83.5370, 21.4980, 28.9060



98.1940, 33.3700, 45.0340



80.0030, 31.4490, 19.2650



57.3640, 1.9710, 2.8270



48.6610, 42.7210, 57.2890



98.1480, 85.9920, 115.6240

Inverse Universe

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



83.5370, 21.4980, 28.9060



98.1940, 33.3700, 45.0340



100.9970, -31.4490, -19.2650



57.3640, 1.9710, 2.8270



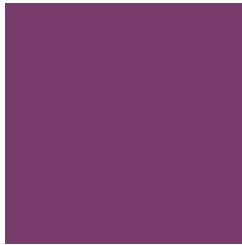
48.6610, 42.7210, 57.2890



98.1480, 85.9920, 115.6240

Previews

White Background



This preview shows how the YIQ color 83.5370, 21.4980, 28.9060 looks on a white background.

Color Contrast Check

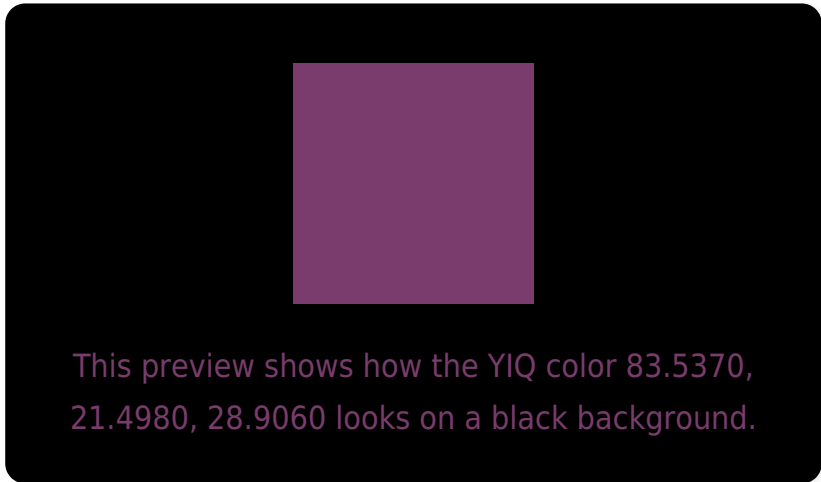
Large Text (above 18pt) WCAG AA ✓ Pass

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

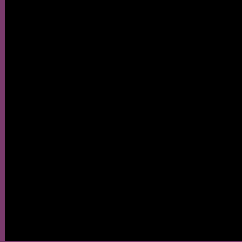
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.5370, 21.4980, 28.9060

Background



This preview shows how black text looks on a background with the YIQ color 83.5370, 21.4980, 28.9060.



This preview shows how white text looks on a background with the YIQ color 83.5370, 21.4980,

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

83.5370, 21.4980, 28.9060

Protanopia

81.6450, -23.3850, 10.8150

Deuteranopia

82.8390, -9.4920, 6.8280



Tritanopia

82.8190, 28.7910, 12.3670

Trichromacy



Original Color

83.5370, 21.4980, 28.9060

Protanomaly

82.2450, -7.3390, 17.3730

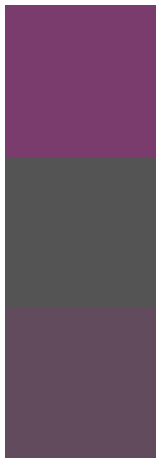
Deuteranomaly

83.0410, 1.9230, 14.7150

Tritanomaly

82.8390, 26.0390, 18.1910

Monochromacy



Original Color

83.5370, 21.4980, 28.9060

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.9290, 7.9300, 10.4740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.5370, 21.4980, 28.9060 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(122, 59, 109)` looks like.

```
.text, #text, p{  
    color:rgb(122, 59, 109)  
}
```

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(122, 59, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 59, 109) }
```

Border

The CSS property to change the border of an element to YIQ 83.5370, 21.4980, 28.9060 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(122, 59, 109) }
```


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

```
.border{ border-color:rgb(122, 59, 109) }
```

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

Here you see how a box with a 4 pixel rgb(122, 59, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 59, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 59, 109);  
box-shadow:4px 4px 4px 4px rgb(122, 59,  
109) }
```

Background

The CSS property to change the background color of an element to YIQ 83.5370, 21.4980, 28.9060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 59, 109) }
```

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

```
.background{ background-color: rgb(122, 59,  
109) }
```

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