

Converting Colors

YIQ(81.3530, 10.8130, 40.8370)

Have a look what the booklet for
YIQ(81.3530, 10.8130, 40.8370)
contains.

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Color

**YIQ(81.3530, 10.8130,
40.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	75348B
RGB	117, 52, 139
RGB Percent	46%, 20%, 55%
CMY	0.5410, 0.7962, 0.4549
CMYK	0.16, 0.63, 0.00, 0.45
HSL	285°, 46%, 37%
HSV	285°, 63%, 55%
XYZ	13.2298, 8.1031, 25.2905
YIQ	81.3530, 10.8130, 40.8370

Conversions

Conversions Part 2

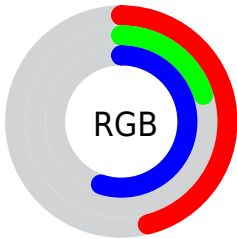
Format	Color
R_{YB}	117, 52, 139
Decimal	7681163
CIE Lab	34.20, 42.76, -36.39
CIE LCh	34, 56.151, 319.597
Yxy	8.1031, 0.2838, 0.1738
Android (android.graphics.Color)	4285871243 (0xFF75348B)
YUV	81.3530, 28.4200, 31.2624
Hunter-Lab	28.4659, 33.1444, -32.7500

Details

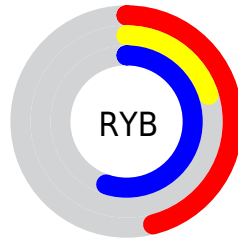
The YIQ color **81.3530, 10.8130, 40.8370** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **109.6470, -10.8130, -40.8370**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.5920, 11.6380, 42.4060**, and **29.4670, 10.4920, 41.1480** is the 20% darker color. If you saturate the color by 10%, you get **72.2380, 12.8750, 47.5230**, and if you desaturate by 10%, it is **90.7670, 9.3470, 34.3630**.

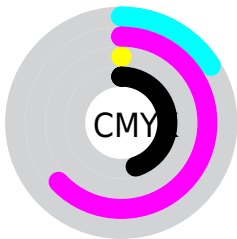
Distribution



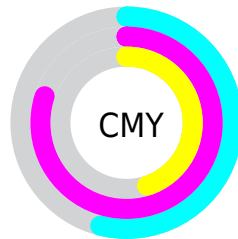
- Red (46%)
- Green (20%)
- Blue (55%)



- Red (46%)
- Yellow (20%)
- Blue (55%)



- Cyan (16%)
- Magenta (63%)
- Yellow (0%)
- Black (45%)



- Cyan (54%)
- Magenta (80%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 81.3530, 10.8130, 40.8370 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 81.3530, 10.8130, 40.8370 by changing the saturation by 10% instead.

81.3530, 10.8130,
40.8370

81.3530, 10.8130,
40.8370

255.0000, -0.0000,
-0.0000

55.3530, 10.8130,
40.8370

133.5920, 11.6380,
42.4060

29.4670, 10.4920,
41.1480

160.7170, 12.7840,
43.6640

19.5550, 3.8920,
28.5960

187.6570, 13.0130,
45.0210

8.0770, -6.9260,
15.3940

212.7360, 19.8000,
37.6560

2.8670, -6.6950,
5.6970

229.1720, 12.1000,
23.0120

0.0000, 0.0000,
0.0000

246.1950, 4.1250,

7.8450

■ 81.3530, 10.8130,
40.8370

■ 81.3530, 10.8130,
40.8370

■ 72.2380, 12.8750,
47.5230

■ 90.7670, 9.3470,
34.3630

■ 62.8240, 14.3410,
53.9970

■ 99.8820, 7.2850,
27.6770

■ 53.7090, 16.4030,
60.6830

■ 109.2960, 5.8190,
21.2030

■ 46.9420, 17.3650,
65.2770

■ 118.4110, 3.7570,
14.5170

■ 127.2380, 2.5660,
8.5660

■ 136.3530, 0.5040,
1.8800

■ 145.7670, -0.9620,
-4.5940

■ 154.8820, -3.0240,
-11.2800

■ 164.2960, -4.4900,
-17.7540

Harmonies

Analogous

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



72.2070, -56.9020, 18.0260



81.3530, 10.8130, 40.8370



70.9960, 51.6630, 49.4150

Triad

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



81.3530, 10.8130, 40.8370



76.0400, 46.0810, -14.6470



71.1260, -62.4890, -18.4010

Complementary

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



81.3530, 10.8130, 40.8370



109.6470, -10.8130, -40.8370

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.



65.2950, -47.4480, -32.1840



81.3530, 10.8130, 40.8370



72.2980, 18.3910, -30.4490

Square

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



81.3530, 10.8130, 40.8370



73.0080, 67.4430, 5.7070



57.1330, -29.9770, -45.9530



74.3980, -74.4580, -5.2260

Rectangle

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



81.3530, 10.8130, 40.8370



66.4350, 66.2440, 43.9720



57.1330, -29.9770, -45.9530



69.4160, -57.6740, -23.0660

Sweetspot

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



81.3530, 10.8130, 40.8370



158.3510, 3.9860, 15.8740



75.4190, -34.2520, 15.0280



77.8790, 2.1990, 9.7110



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



81.3530, 10.8130, 40.8370



91.0020, 17.1360, 63.9200



85.6510, 30.3450, 39.2810



64.2930, 0.7330, 3.2370



44.7630, 16.3110, 62.3510



1.7660, 0.7790, 2.4030

Inverse Universe

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



80.5210, 44.7900, 25.2860



89.5400, 70.1420, 39.4060



105.3490, -30.3450, -39.2810



64.3210, 3.5300, 2.1060



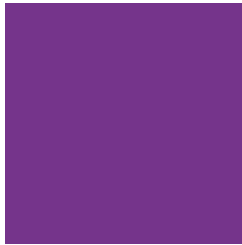
43.5290, 68.6750, 38.4590



1.6090, 2.6590, 1.3710

Previews

White Background



This preview shows how the YIQ color 81.3530, 10.8130, 40.8370 looks on a white background.

Color Contrast Check

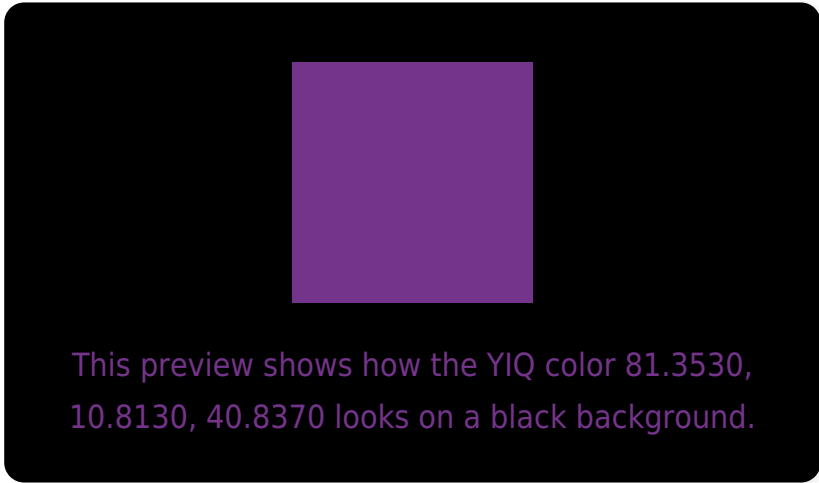
Large Text (above 18pt) WCAG AA ✓ Pass

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

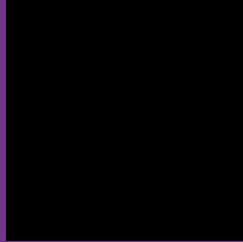
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 81.3530, 10.8130, 40.8370

Background



This preview shows how black text looks on a background with the YIQ color 81.3530, 10.8130, 40.8370.



This preview shows how white text looks on a background with the YIQ color 81.3530, 10.8130,

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

81.3530, 10.8130, 40.8370

Protanopia

68.4830, -66.6670, 13.2770

Deuteranopia

77.4630, -37.5520, 8.7520



Tritanopia

82.0460, 20.7220, 9.9220

Trichromacy



Original Color

81.3530, 10.8130, 40.8370

Protanomaly

73.5360, -38.6550, 23.2410

Deuteranomaly

78.7090, -20.2690, 20.4270

Tritanomaly

81.4560, 17.0520, 21.3720

Monochromacy



Original Color

81.3530, 10.8130, 40.8370

Achromatopsia

81.0000, -0.0000, 0.0000

Achromatomaly

80.8240, 4.0320, 15.0400

CSS Examples

Text

The CSS property to change the color of the text to YIQ 81.3530, 10.8130, 40.8370 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(117, 52, 139)` looks like.

```
.text, #text, p{  
    color:rgb(117, 52, 139)  
}
```

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(117, 52, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 52, 139) }
```

Border

The CSS property to change the border of an element to YIQ 81.3530, 10.8130, 40.8370 is called "border". The border property can be set on classes, ids or directly on the HTML element.

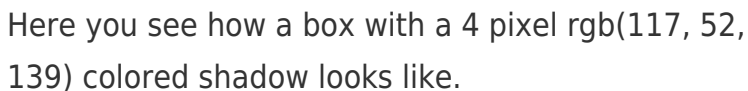
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 52, 139) }
```


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

```
.border{ border-color:rgb(117, 52, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 52, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 52, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 52, 139); box-shadow:4px 4px 4px 4px rgb(117, 52, 139) }
```

Background

The CSS property to change the background color of an element to YIQ 81.3530, 10.8130, 40.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 52, 139) }
```

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

```
.background{ background-color: rgb(117, 52,  
139) }
```

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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