

Converting Colors

YIQ(87.8890, 76.4690, 40.3810)

Have a look what the booklet for
YIQ(87.8890, 76.4690, 40.3810)
contains.

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Color

**YIQ(87.8890, 76.4690,
40.3810)**

Conversions

Conversions Part 1

Format	Color
Hex	BA2948
RGB	186, 41, 72
RGB Percent	73%, 16%, 28%
CMY	0.2702, 0.8394, 0.7174
CMYK	0.00, 0.78, 0.61, 0.27
HSL	347°, 64%, 45%
HSV	347°, 78%, 73%
XYZ	22.2351, 12.5012, 7.3841
YIQ	87.8890, 76.4690, 40.3810

Conversions

Conversions Part 2

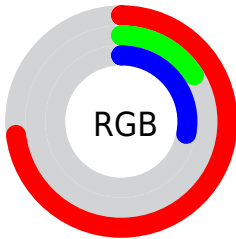
Format	Color
RYB	186, 41, 72
Decimal	12200264
CIELab	42.00, 58.08, 18.44
CIElCh	42, 60.935, 17.618
Yxy	12.5012, 0.5279, 0.2968
Android (android.graphics.Color)	4290390344 (0xFFBA2948)
YUV	87.8890, -7.8333, 86.0433
Hunter-Lab	35.3571, 50.3791, 12.3675

Details

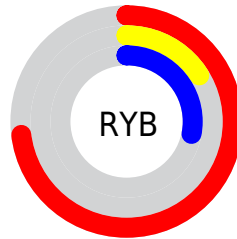
The YIQ color **87.8890, 76.4690, 40.3810** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **139.1110, -76.4690, -40.3810**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **146.5320, 81.7880, 37.5960**, and **40.9800, 65.7870, 35.7310** is the 20% darker color. If you saturate the color by 10%, you get **75.0260, 86.5090, 45.6530**, and if you desaturate by 10%, it is **100.7520, 66.4290, 35.1090**.

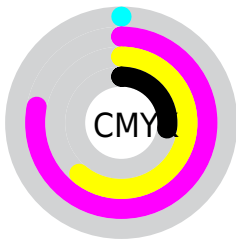
Distribution



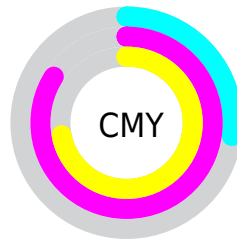
- Red (73%)
- Green (16%)
- Blue (28%)



- Red (73%)
- Yellow (16%)
- Blue (28%)



- Cyan (0%)
- Magenta (78%)
- Yellow (61%)
- Black (27%)





- Cyan (27%)
- Magenta (84%)
- Yellow (72%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.8890, 76.4690, 40.3810 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 87.8890, 76.4690, 40.3810 by changing the saturation by 10% instead.


 87.8890, 76.4690,
40.3810


 87.8890, 76.4690,
40.3810


255.0000, -0.0000,
-0.0000


 52.3440, 76.9260,
48.6220

 146.5320, 81.7880,
37.5960

 40.9800, 65.7870,
35.7310


 168.0250, 69.9140,
32.5220


 29.4590, 56.5280,
21.8080

 187.4250, 53.8680,
25.9640

 20.5600, 39.8860,
15.0380

 207.6400, 36.9050,
19.5050

 11.1770, 21.7310,
8.1550

 227.8550, 19.9420,
13.0460

 0.0000, 0.0000,
0.0000

 247.9560, 3.3000,

6.2760

■ 87.8890, 76.4690,
40.3810

■ 87.8890, 76.4690,
40.3810

■ 75.0260, 86.5090,
45.6530

■ 100.7520, 66.4290,
35.1090

■ 62.8640, 95.9530,
50.7130

■ 112.9140, 56.9850,
30.0490

■ 60.1740, 98.0160,
51.8720

■ 125.7770, 46.9450,
24.7770

■ 138.0530, 37.1800,
20.0280

■ 150.8020, 27.4610,
14.4450

■ 163.6650, 17.4210,
9.1730

■ 175.8270, 7.9770,
4.1130

■ 188.6900, -2.0630,
-1.1590

■ 200.9660,
-11.8280, -5.9080

Harmonies

Analogous

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



92.0720, 54.5050, 52.9770



87.8890, 76.4690, 40.3810



92.3080, 75.4660, 8.9860

Triad

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



87.8890, 76.4690, 40.3810



75.2810, -27.6380, -49.7980



87.7290, -94.0830, 3.5250

Complementary

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



87.8890, 76.4690, 40.3810



139.1110, -76.4690, -40.3810

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.



89.5750, -88.2580, -8.4340



87.8890, 76.4690, 40.3810



79.1040, -57.3960, -39.1240

Square

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



87.8890, 76.4690, 40.3810



90.0290, 26.2780, -35.7220



85.6190, -74.3630, -23.4750



88.5740, -68.1810, 18.6910

Rectangle

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



87.8890, 76.4690, 40.3810



92.9840, 66.8500, -11.0860



85.6190, -74.3630, -23.4750



89.3930, -93.2570, -0.4330

Sweetspot

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



87.8890, 76.4690, 40.3810



204.6990, 29.2490, 15.0810



91.6160, 21.3990, 69.2630



98.9640, 18.0170, 9.3850



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



87.8890, 76.4690, 40.3810



88.3450, 119.8840, 63.0520



108.4220, 75.1450, 9.2970



85.9190, 4.7220, 2.5300



50.4060, 82.3830, 43.3350



9.0560, 14.7620, 7.8020

Inverse Universe

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



87.8890, 76.4690, 40.3810



88.3450, 119.8840, 63.0520



118.5780, -75.1450, -9.2970



85.9190, 4.7220, 2.5300



50.4060, 82.3830, 43.3350



9.0560, 14.7620, 7.8020

Previews

White Background



This preview shows how the YIQ color 87.8890, 76.4690, 40.3810 looks on a white background.

Color Contrast Check

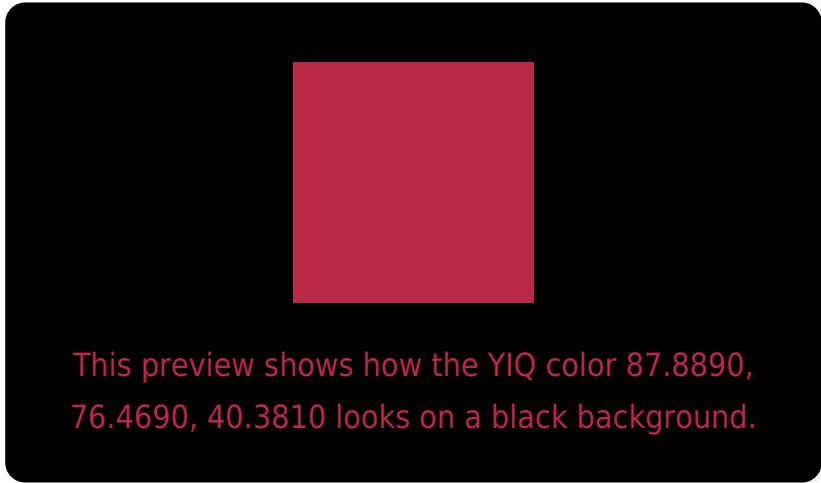
Large Text (above 18pt) WCAG AA ✓ Pass

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

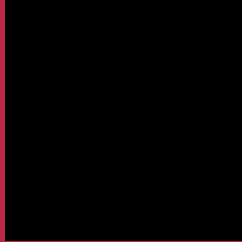
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.8890, 76.4690, 40.3810

Background



This preview shows how black text looks on a background with the YIQ color 87.8890, 76.4690, 40.3810.



This preview shows how white text looks on a background with the YIQ color 87.8890, 76.4690,

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

87.8890, 76.4690, 40.3810

Protanopia

100.3700, 1.8340, -0.1980

Deuteranopia

99.9410, 24.8510, -4.3410



Tritanopia

87.7890, 82.2020, 30.0900

Trichromacy



Original Color

87.8890, 76.4690, 40.3810

Protanomaly

96.2860, 28.9740, 14.5580

Deuteranomaly

95.7190, 43.6920, 12.1400

Tritanomaly

87.6410, 79.8630, 33.9350

Monochromacy



Original Color

87.8890, 76.4690, 40.3810

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.1010, 28.0570, 14.6570

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8890, 76.4690, 40.3810 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(186, 41, 72)` looks like.

```
.text, #text, p{  
    color:rgb(186, 41, 72)  
}
```

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(186, 41, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 41, 72) }
```

Border

The CSS property to change the border of an element to YIQ 87.8890, 76.4690, 40.3810 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(186, 41, 72) }
```


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

```
.border{ border-color:rgb(186, 41, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 41, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 41, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 41, 72);  
box-shadow:4px 4px 4px 4px rgb(186, 41,  
72) }
```

Background

The CSS property to change the background color of an element to YIQ 87.8890, 76.4690, 40.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 41, 72) }
```

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

```
.background{ background-color: rgb(186, 41,  
72) }
```

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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