

Converting Colors

YIQ(76.4300, 64.6400, 40.0000)

Have a look what the booklet for
YIQ(76.4300, 64.6400, 40.0000)
contains.

YIQ(76.4300, 64.6400, 40.0000)	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(76.4300, 64.6400,
40.0000)**

Conversions

Conversions Part 1

Format	Color
Hex	A32149
RGB	163, 33, 73
RGB Percent	64%, 13%, 29%
CMY	0.3605, 0.8708, 0.7135
CMYK	0.00, 0.80, 0.55, 0.36
HSL	342°, 66%, 38%
HSV	342°, 80%, 64%
XYZ	16.8686, 9.3620, 7.2313
YIQ	76.4300, 64.6400, 40.0000

Conversions

Conversions Part 2

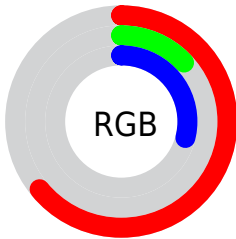
Format	Color
R_{YB}	163, 33, 73
Decimal	10690889
CIE _{Lab}	36.67, 53.95, 9.82
CIE _{LCh}	37, 54.836, 10.317
Yxy	9.3620, 0.5041, 0.2798
Android (android.graphics.Color)	4288880969 (0xFFA32149)
YUV	76.4300, -1.6910, 75.9219
Hunter-Lab	30.5974, 44.8628, 7.4058

Details

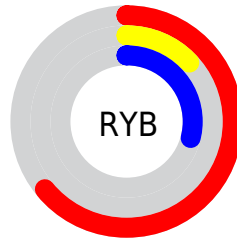
The YIQ color **76.4300, 64.6400, 40.0000** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **119.5700, -64.6400, -40.0000**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **133.8880, 69.0420, 37.3140**, and **34.8150, 52.9500, 31.5900** is the 20% darker color. If you saturate the color by 10%, you get **65.7840, 72.5710, 44.9470**, and if you desaturate by 10%, it is **87.0760, 56.7090, 35.0530**.

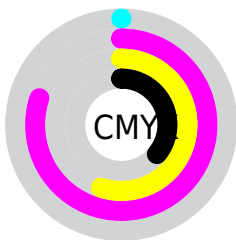
Distribution



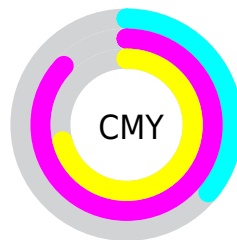
- Red (64%)
- Green (13%)
- Blue (29%)



- Red (64%)
- Yellow (13%)
- Blue (29%)



- Cyan (0%)
- Magenta (80%)
- Yellow (55%)
- Black (36%)





- Cyan (36%)
- Magenta (87%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 76.4300, 64.6400, 40.0000 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 76.4300, 64.6400, 40.0000 by changing the saturation by 10% instead.


 76.4300, 64.6400,
40.0000


 76.4300, 64.6400,
40.0000


255.0000, -0.0000,
-0.0000


 45.8800, 63.4930,
44.2690


 133.8880, 69.0420,
37.3140


 34.8150, 52.9500,
31.5900

 162.5570, 71.4720,
37.3280


 23.4790, 44.6080,
17.5680

 181.7830, 55.9760,
31.8160

 15.1780, 29.1580,
11.2220

 201.2970, 39.6090,
25.5690

 0.0000, 0.0000,
0.0000

 221.5120, 22.6460,
19.1100

 241.4990, 6.3250,

12.0290

■ 76.4300, 64.6400,
40.0000

■ 76.4300, 64.6400,
40.0000

■ 65.7840, 72.5710,
44.9470

■ 87.0760, 56.7090,
35.0530

■ 54.4370, 81.0980,
50.1060

■ 98.4230, 48.1820,
29.8940

■ 109.0690, 40.2510,
24.9470

■ 119.7150, 32.3200,
20.0000

■ 130.3610, 24.3890,
15.0530

■ 141.7080, 15.8620,
9.8940

■ 152.3540, 7.9310,
4.9470

■ 163.0000, -0.0000,
-0.0000

■ 174.3470, -8.5270,
-5.1590

Harmonies

Analogous

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



82.5430, 39.6970, 46.0090



76.4300, 64.6400, 40.0000



79.5170, 67.8080, 15.6160

Triad

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



76.4300, 64.6400, 40.0000



70.4150, -4.3480, -42.3640



77.4930, -81.7950, 1.0930

Complementary

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



76.4300, 64.6400, 40.0000



119.5700, -64.6400, -40.0000

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.



77.9370, -74.7780, -10.4420



76.4300, 64.6400, 40.0000



67.3180, -46.2550, -37.2870

Square

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



76.4300, 64.6400, 40.0000



79.4520, 29.7610, -27.2550



73.7360, -61.5710, -24.0270



70.9050, -79.7790, 8.6130

Rectangle

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



76.4300, 64.6400, 40.0000



80.0040, 64.0980, -5.2620



73.7360, -61.5710, -24.0270



78.4560, -80.3730, -2.6530

Sweetspot

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



76.4300, 64.6400, 40.0000



178.0730, 25.2600, 15.7880



74.4310, 11.3140, 59.2980



86.4090, 15.2660, 9.6820



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000

Same Dimension

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



76.4300, 64.6400, 40.0000



76.1780, 101.3610, 62.8410



85.9580, 70.8800, 15.0080



76.0330, 4.4010, 2.8410



48.4850, 71.9750, 44.7350



6.0660, 8.8020, 5.6820

Inverse Universe

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



76.4300, 64.6400, 40.0000



76.1780, 101.3610, 62.8410



110.0420, -70.8800, -15.0080



76.0330, 4.4010, 2.8410



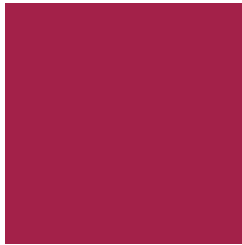
48.4850, 71.9750, 44.7350



6.0660, 8.8020, 5.6820

Previews

White Background



This preview shows how the YIQ color 76.4300, 64.6400, 40.0000 looks on a white background.

Color Contrast Check

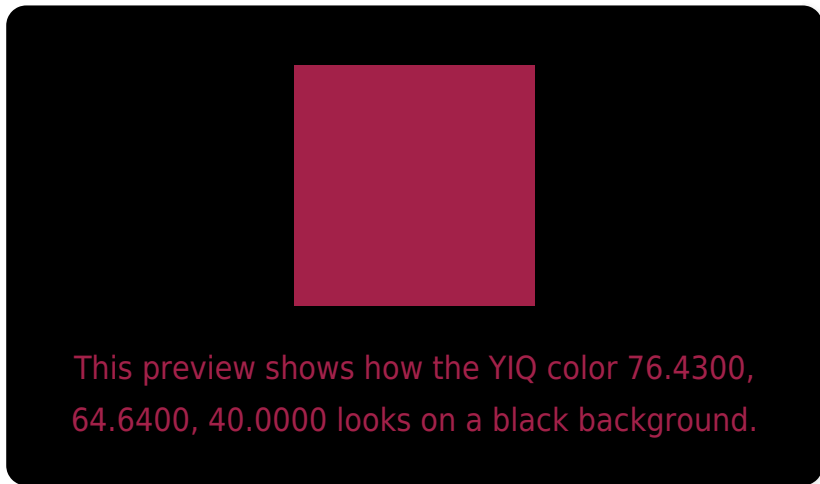
Large Text (above 18pt) WCAG AA ✓ Pass

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 76.4300, 64.6400, 40.0000

Background



This preview shows how black text looks on a background with the YIQ color 76.4300, 64.6400, 40.0000.



This preview shows how white text looks on a background with the YIQ color 76.4300, 64.6400,

40.0000.

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

76.4300, 64.6400, 40.0000

Protanopia

88.1830, -4.7690, 3.8310

Deuteranopia

87.7430, 16.7810, -1.2590



Tritanopia

77.2930, 71.7950, 25.9630

Trichromacy



Original Color

76.4300, 64.6400, 40.0000

Protanomaly

83.6750, 20.6290, 17.1170

Deuteranomaly

83.3960, 34.4760, 13.9640

Tritanomaly

76.7860, 69.0890, 30.9530

Monochromacy



Original Color

76.4300, 64.6400, 40.0000

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

76.0620, 23.7930, 14.8410

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.4300, 64.6400, 40.0000 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(163, 33, 73)` looks like.

```
.text, #text, p{  
    color:rgb(163, 33, 73)  
}
```

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(163, 33, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 33, 73) }
```

Border

The CSS property to change the border of an element to YIQ 76.4300, 64.6400, 40.0000 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(163, 33, 73) }
```


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

```
.border{ border-color:rgb(163, 33, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 33, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 33, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 33, 73);  
box-shadow:4px 4px 4px 4px rgb(163, 33,  
73) }
```

Background

The CSS property to change the background color of an element to YIQ 76.4300, 64.6400, 40.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 33, 73) }
```

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

```
.background{ background-color: rgb(163, 33,  
73) }
```

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