

# Converting Colors

YIQ(76.4500, 37.8070, 102.3110)

Have a look what the booklet for  
YIQ(76.4500, 37.8070, 102.3110)  
contains.

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# Color

**YIQ(76.4500, 37.8070,  
102.3110)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | B000D1                     |
| RGB         | 176, 0, 209                |
| RGB Percent | 69%, 0%, 82%               |
| CMY         | 0.3092, 0.9999, 0.1804     |
| CMYK        | 0.16, 1.00, 0.00, 0.18     |
| HSL         | 291°, 100%, 41%            |
| HSV         | 291°, 100%, 82%            |
| XYZ         | 29.4444, 13.8497, 61.4410  |
| YIQ         | 76.4500, 37.8070, 102.3110 |

# Conversions

## Conversions Part 2

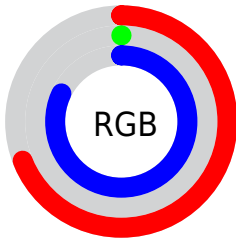
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 176, 0, 209                   |
| Decimal                             | 11534545                      |
| CIELab                              | 44.02, 79.63, -61.79          |
| CIELCh                              | 44, 100.790, 322.186          |
| Yxy                                 | 13.8497, 0.2811,<br>0.1322    |
| Android<br>(android.graphics.Color) | 4289724625<br>(0xFFB000D1)    |
| YUV                                 | 76.4500, 65.3471,<br>87.3054  |
| Hunter-Lab                          | 37.2152, 76.1012,<br>-71.8350 |

# Details

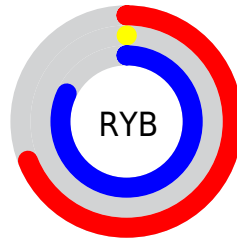
The YIQ color **76.4500, 37.8070, 102.3110** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **132.5500, -37.8070, -102.3110**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.2900, 34.6010, 83.3130**, and **52.4250, 20.6190, 72.3870** is the 20% darker color. If you saturate the color by 10%, you get **76.4500, 37.8070, 102.3110**, and if you desaturate by 10%, it is **89.6740, 33.8200, 91.9640**.

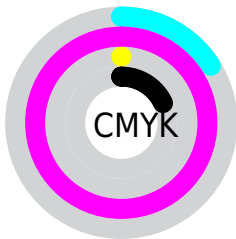
# Distribution



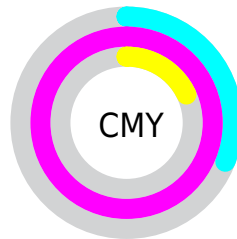
- Red (69%)
- Green (0%)
- Blue (82%)



- Red (69%)
- Yellow (0%)
- Blue (82%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (31%)
- Magenta (100%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 76.4500, 37.8070, 102.3110 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 76.4500, 37.8070, 102.3110 by changing the saturation by 10% instead.



76.4500, 37.8070,  
102.3110

76.4500, 37.8070,  
102.3110

255.0000, -0.0000,  
-0.0000

64.5870, 29.5110,  
87.4550

151.2900, 34.6010,  
83.3130

52.7240, 21.2150,  
72.5990

174.5810, 37.6750,  
71.6510

41.0890, 12.2770,  
58.3650

191.6040, 29.7000,  
56.4840

29.4540, 3.3390,  
44.1310

209.2140, 21.4500,  
40.7940

17.3350, -7.1120,  
29.7840

226.2370, 13.4750,  
25.6270

5.9280, -16.6920,  
16.1720

243.8470, 5.2250,

4.5940, -10.1800,

9.9370

8.2840

■ 0.0000, 0.0000,  
0.0000

■ 76.4500, 37.8070,  
102.3110

■ 89.6740, 33.8200,  
91.9640

■ 103.1970, 30.4290,  
81.8290

■ 116.4210, 26.4420,  
71.4820

■ 129.6450, 22.4550,  
61.1350

■ 143.1680, 19.0640,  
51.0000

■ 155.8050, 15.3520,  
41.1760

■ 169.0290, 11.3650,  
30.8290

■ 182.2530, 7.3780,  
20.4820

■ 195.7760, 3.9870,  
10.3470

# Harmonies

## Analogous

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



83.6610, -107.4300, 30.6660



76.4500, 37.8070, 102.3110



84.4870, 97.1380, 89.8260

# Triad

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



76.4500, 37.8070, 102.3110



98.5330, 60.5700, -18.4220



98.1690, -90.4110, -18.9790

# Complementary

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



76.4500, 37.8070, 102.3110



132.5500, -37.8070, -102.3110

# 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.



87.0770, -61.9340, -44.9900



76.4500, 37.8070, 102.3110



88.4020, 5.6940, -48.1460

# Square

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



76.4500, 37.8070, 102.3110



81.8290, 111.0880, 24.2080



75.7230, -35.4750, -67.4670



105.7900, -113.2480, 3.9360



# Rectangle

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



76.4500, 37.8070, 102.3110



80.3100, 118.9650, 74.2050



75.7230, -35.4750, -67.4670



94.9770, -81.4230, -27.6870

# Sweetspot

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



76.4500, 37.8070, 102.3110



206.8000, 13.7480, 37.2040



44.3710, -76.7140, 46.6940



98.6060, 7.8820, 22.3620



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



76.4500, 37.8070, 102.3110



93.3550, 46.2850, 124.8850



78.3370, 79.9450, 87.5370



97.9450, 1.8330, 5.3290



61.6100, 30.7040, 82.3520



14.8400, 7.1030, 19.9590



# Inverse Universe

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



66.2530, 113.9710, 54.5710



80.8050, 139.1400, 66.5000



130.6630, -79.9450, -87.5370



97.5170, 5.9140, 2.9540



53.1960, 91.7820, 43.7020



12.9430, 22.5100, 10.5580



# Previews

## White Background



This preview shows how the YIQ color 76.4500, 37.8070, 102.3110 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 76.4500, 37.8070, 102.3110

## Background



This preview shows how black text looks on a background with the YIQ color 76.4500, 37.8070, 102.3110.



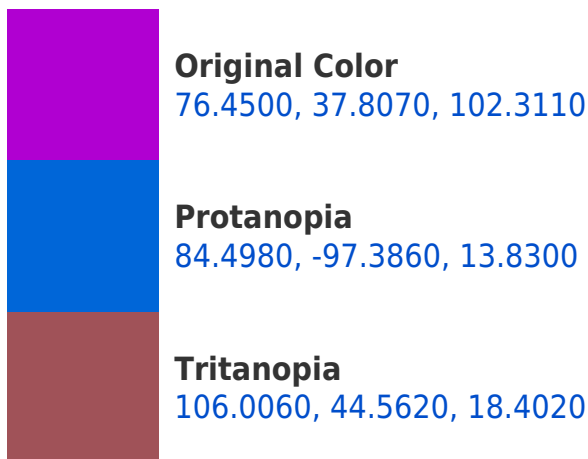
This preview shows how white text looks on a background with the YIQ color 76.4500, 37.8070,



# 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



# Trichromacy



## Original Color

76.4500, 37.8070, 102.3110

## Protanomaly

81.5730, -48.1040, 45.8160

## Tritanomaly

95.2060, 42.2640, 49.0480

# Monochromacy



## Original Color

76.4500, 37.8070, 102.3110

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

75.8000, 13.7480, 37.2040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 76.4500, 37.8070, 102.3110 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(176, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 209)  
}
```

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(176, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 209) }
```

## Border

The CSS property to change the border of an element to YIQ 76.4500, 37.8070, 102.3110 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(176, 0, 209) }
```

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

```
.border{ border-color:rgb(176, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
209) }
```



# Background

The CSS property to change the background color of an element to YIQ 76.4500, 37.8070, 102.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 209) }
```

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

```
.background{ background-color: rgb(176, 0,  
209) }
```

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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