

# Converting Colors

YIQ(77.0780, 47.4820, 97.6740)

Have a look what the booklet for  
YIQ(77.0780, 47.4820, 97.6740)  
contains.

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# Color

**YIQ(77.0780, 47.4820,  
97.6740)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B701BF
RGB	183, 1, 191
RGB Percent	72%, 0%, 75%
CMY	0.2818, 0.9963, 0.2509
CMYK	0.04, 1.00, 0.00, 0.25
HSL	298°, 99%, 38%
HSV	298°, 100%, 75%
XYZ	28.9771, 13.8666, 50.4456
YIQ	77.0780, 47.4820, 97.6740

# Conversions

## Conversions Part 2

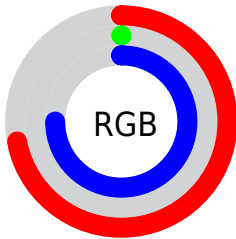
Format	Color
<b>RYB</b>	183, 1, 191
Decimal	11993535
CIELab	44.04, 77.72, -51.24
CIElCh	44, 93.090, 326.605
Yxy	13.8666, 0.3106, 0.1486
Android (android.graphics.Color)	4290183615 (0xFFB701BF)
YUV	77.0780, 56.1635, 92.8936
Hunter-Lab	37.2379, 73.7351, -54.2525

# Details

The YIQ color **77.0780, 47.4820, 97.6740** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **114.9220, -47.4820, -97.6740**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.5850, 41.0200, 82.6200**, and **52.9930, 30.5230, 69.1070** is the 20% darker color. If you saturate the color by 10%, you get **76.4910, 47.7570, 98.1970**, and if you desaturate by 10%, it is **88.5300, 42.8530, 87.9490**.

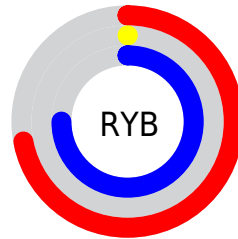
# Distribution



Red (72%)

Green (0%)

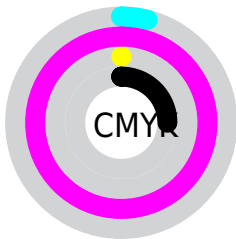
Blue (75%)



Red (72%)

Yellow (0%)

Blue (75%)

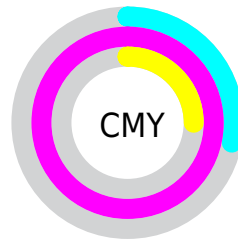


Cyan (4%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (28%)

Magenta (100%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 77.0780, 47.4820, 97.6740 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 77.0780, 47.4820, 97.6740 by changing the saturation by 10% instead.





 77.0780, 47.4820,  
97.6740


 77.0780, 47.4820,  
97.6740


255.0000, -0.0000,  
-0.0000


 64.6280, 39.4610,  
83.3410


 152.5850, 41.0200,  
82.6200


 52.9930, 30.5230,  
69.1070


 174.5810, 37.6750,  
71.6510


 41.6570, 22.1810,  
55.0850


 192.1910, 29.4250,  
55.9610

 30.3210, 13.8390,  
41.0630

 209.2140, 21.4500,  
40.7940

 19.2130, 4.8550,  
27.6630

 226.8240, 13.2000,  
25.1040

 4.3320, -12.1980,  
11.8180

 244.4340, 4.9500,

 2.2970, -5.0900,

9.4140

4.1420

■ 0.0000, 0.0000,  
0.0000

■ 77.0780, 47.4820,  
97.6740

■ 77.0780, 47.4820,  
97.6740

■ 76.4910, 47.7570,  
98.1970

■ 88.5300, 42.8530,  
87.9490

■ 99.9820, 38.2240,  
78.2240

■ 111.4340, 33.5950,  
68.4990

■ 122.5870, 28.3700,  
58.5620

■ 134.0390, 23.7410,  
48.8370

■ 146.0780, 18.8370,  
38.5890

■ 157.5300, 14.2080,  
28.8640

■ 168.6830, 8.9830,  
18.9270

■ 180.1350, 4.3540,  
9.2020

# Harmonies

## Analogous

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



88.9690, -84.6900, 37.0540



77.0780, 47.4820, 97.6740



81.2110, 97.7350, 84.5110

# Triad

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



77.0780, 47.4820, 97.6740



98.4780, 53.2350, -23.1570



98.2660, -92.0620, -16.5900

# Complementary

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



77.0780, 47.4820, 97.6740



114.9220, -47.4820, -97.6740

# 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.



88.0860, -66.1530, -40.1130



77.0780, 47.4820, 97.6740



86.5970, 0.6510, -50.3650

# Square

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



77.0780, 47.4820, 97.6740



90.5680, 98.1610, 10.6810



75.1360, -35.2000, -66.9440



103.6870, -111.4600, 4.5720



# Rectangle

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



77.0780, 47.4820, 97.6740



76.2940, 115.8940, 69.2860



75.1360, -35.2000, -66.9440



95.4160, -84.0370, -24.3650

# Sweetspot

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



77.0780, 47.4820, 97.6740



202.6650, 18.5620, 38.0660



27.9430, -63.4650, 54.3830



97.9870, 11.1830, 23.1110



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000



# Same Dimension

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



77.0780, 47.4820, 97.6740



99.0210, 61.9650, 127.0610



69.6660, 79.8560, 72.6240



88.7170, 2.4750, 4.7070



63.4600, 39.8740, 81.3620



12.2050, 7.3330, 15.7890



# Inverse Universe

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



58.7220, 110.6720, 42.7680



74.9930, 144.0020, 55.4740



122.2200, -79.5350, -72.9350



87.6910, 5.3640, 1.9080



48.0400, 91.9210, 35.6730



9.3830, 18.1550, 6.8830



# Previews

## White Background



This preview shows how the YIQ color 77.0780, 47.4820, 97.6740 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

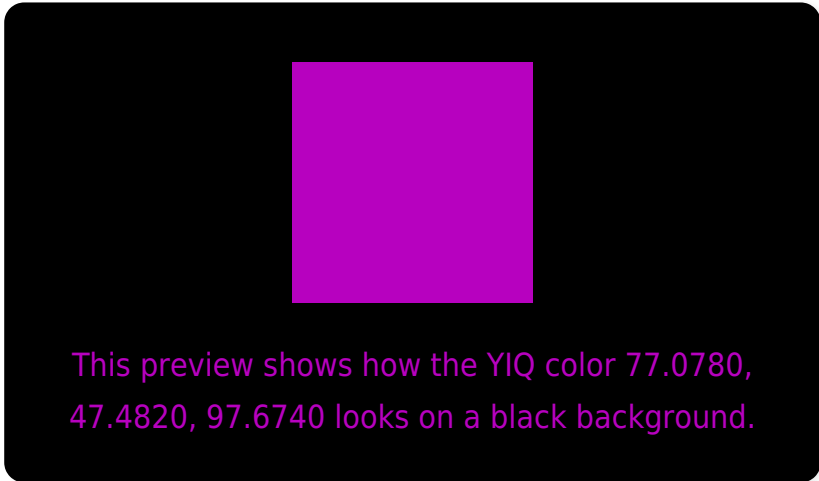
Any Text WCAG AA ✓ Pass

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

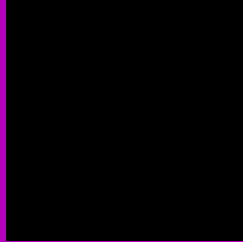
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 77.0780, 47.4820, 97.6740**

## **Background**



This preview shows how black text looks on a background with the YIQ color 77.0780, 47.4820, 97.6740.



This preview shows how white text looks on a background with the YIQ color 77.0780, 47.4820,



# 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

77.0780, 47.4820, 97.6740

### Protanopia

84.6120, -97.7070, 14.1410

### Deuteranopia

99.4750, -55.0210, 11.4670



## Tritanopia

103.9750, 55.0150, 21.6950

# Trichromacy



## Original Color

77.0780, 47.4820, 97.6740



## Protanomaly

81.9000, -44.7110, 44.8970



## Deuteranomaly

91.0910, -17.5680, 43.0720



## Tritanomaly

94.1810, 52.5800, 49.3160

# Monochromacy



## Original Color

77.0780, 47.4820, 97.6740



## Achromatopsia

77.0000, -0.0000, -0.0000



## Achromatomaly

76.8990, 17.7830, 35.6630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 77.0780, 47.4820, 97.6740 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(183, 1, 191)` looks like.

```
.text, #text, p{  
    color:rgb(183, 1, 191)  
}
```

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(183, 1, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 1, 191) }
```

## Border

The CSS property to change the border of an element to YIQ 77.0780, 47.4820, 97.6740 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(183, 1, 191) }
```



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

```
.border{ border-color:rgb(183, 1, 191) }
```

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

Here you see how a box with a 4 pixel rgb(183, 1, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 1, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 1, 191);  
box-shadow:4px 4px 4px 4px rgb(183, 1,  
191) }
```

# Background

The CSS property to change the background color of an element to YIQ 77.0780, 47.4820, 97.6740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 1, 191) }
```

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

```
.background{ background-color: rgb(183, 1,  
191) }
```

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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