

# Converting Colors

YIQ(78.4700, 52.2500, 99.3700)

Have a look what the booklet for  
YIQ(78.4700, 52.2500, 99.3700)  
contains.

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# Color

**YIQ(78.4700, 52.2500,  
99.3700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BE00BE
RGB	190, 0, 190
RGB Percent	75%, 0%, 75%
CMY	0.2543, 0.9999, 0.2548
CMYK	0.00, 1.00, 0.00, 0.25
HSL	300°, 100%, 37%
HSV	300°, 100%, 75%
XYZ	30.5675, 14.6843, 49.9473
YIQ	78.4700, 52.2500, 99.3700

# Conversions

## Conversions Part 2

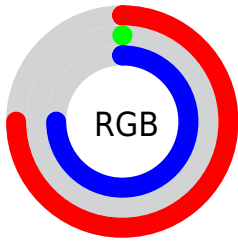
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 0, 190
Decimal	12452030
CIE <sub>Lab</sub>	45.20, 78.78, -48.73
CIE <sub>LCh</sub>	45, 92.632, 328.260
Yxy	14.6843, 0.3211, 0.1542
Android (android.graphics.Color)	4290642110 (0xFFBE00BE)
YUV	78.4700, 54.9843, 97.8118
Hunter-Lab	38.3201, 75.3274, -50.4559

# Details

The YIQ color **78.4700, 52.2500, 99.3700** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **111.5300, -52.2500, -99.3700**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **155.1510, 45.2380, 83.2700**, and **54.9720, 35.0160, 70.2800** is the 20% darker color. If you saturate the color by 10%, you get **78.4700, 52.2500, 99.3700**, and if you desaturate by 10%, it is **89.6230, 47.0250, 89.4330**.

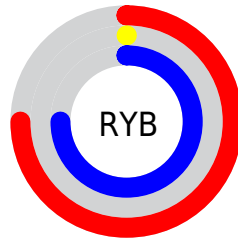
# Distribution



Red (75%)

Green (0%)

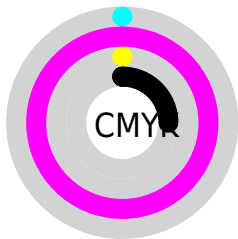
Blue (75%)



Red (75%)

Yellow (0%)

Blue (75%)

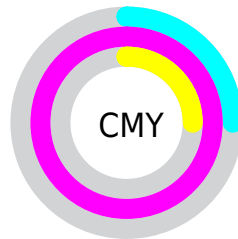


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (25%)

Magenta (100%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.4700, 52.2500, 99.3700 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 78.4700, 52.2500, 99.3700 by changing the saturation by 10% instead.





 78.4700, 52.2500,  
99.3700

 78.4700, 52.2500,  
99.3700


255.0000, -0.0000,  
-0.0000


 66.7210, 43.6330,  
84.8250


 155.1510, 45.2380,  
83.2700


 54.9720, 35.0160,  
70.2800


 175.7550, 37.1250,  
70.6050


 43.3370, 26.0780,  
56.0460


 192.7780, 29.1500,  
55.4380

 32.1150, 17.4150,  
42.3350

 210.3880, 20.9000,  
39.7480

 21.3060, 9.0270,  
29.1470

 227.9980, 12.6500,  
24.0580

 7.3220, -6.2380,  
13.9380

 245.6080, 4.4000,

 2.1830, -4.7690,

8.3680

3.8310

■ 0.0000, 0.0000,  
0.0000

■ 78.4700, 52.2500,  
99.3700

■ 89.6230, 47.0250,  
89.4330

■ 100.7760, 41.8000,  
79.4960

■ 111.9290, 36.5750,  
69.5590

■ 123.0820, 31.3500,  
59.6220

■ 134.2350, 26.1250,  
49.6850

■ 145.3880, 20.9000,  
39.7480

■ 156.5410, 15.6750,  
29.8110

■ 167.6940, 10.4500,  
19.8740

■ 178.8470, 5.2250,  
9.9370

# Harmonies

## Analogous

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



97.9390, -66.8100, 43.4140



78.4700, 52.2500, 99.3700



82.4780, 101.3570, 84.9490

# Triad

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



78.4700, 52.2500, 99.3700



100.8260, 52.1350, -25.2490



100.8250, -95.1340, -15.9820

# Complementary

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



78.4700, 52.2500, 99.3700



111.5300, -52.2500, -99.3700

# 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.



91.2320, -69.5000, -40.0280



78.4700, 52.2500, 99.3700



88.3470, -1.6410, -52.8810

# Square

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



78.4700, 52.2500, 99.3700



94.9760, 96.8320, 7.2320



77.4840, -36.3000, -69.0360



106.0180, -113.8900, 4.5580



# Rectangle

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



78.4700, 52.2500, 99.3700



77.0770, 118.0030, 69.6110



77.4840, -36.3000, -69.0360



97.9750, -87.1090, -23.7570

# Sweetspot

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



78.4700, 52.2500, 99.3700



203.5620, 20.3500, 38.7020



21.6600, -60.9900, 59.0900



98.5850, 12.3750, 23.5350



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.



78.4700, 52.2500, 99.3700



102.0110, 67.9250, 129.1810



67.6400, 82.7450, 69.8250



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130



# Inverse Universe

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



78.4700, 52.2500, 99.3700



102.0110, 67.9250, 129.1810



122.3600, -82.7450, -69.8250



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340

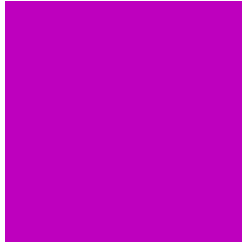


12.8030, 8.5250, 16.2130



# Previews

## White Background



This preview shows how the YIQ color 78.4700, 52.2500, 99.3700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

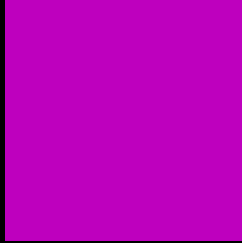
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 78.4700, 52.2500, 99.3700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

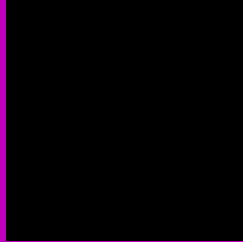
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 78.4700, 52.2500, 99.3700**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.4700, 52.2500, 99.3700.



This preview shows how white text looks on a background with the YIQ color 78.4700, 52.2500,



# 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

78.4700, 52.2500, 99.3700

### Protanopia

87.0570, -100.4580, 14.4380

### Deuteranopia

104.4110, -48.9690, 11.9190



## Tritanopia

106.3670, 59.7830, 23.3910

# Trichromacy



## Original Color

78.4700, 52.2500, 99.3700



## Protanomaly

84.0140, -45.0320, 45.2080



## Deuteranomaly

95.1410, -11.8370, 43.8350



## Tritanomaly

96.2740, 56.7520, 50.8000

# Monochromacy



## Original Color

78.4700, 52.2500, 99.3700



## Achromatopsia

79.0000, -0.0000, 0.0000



## Achromatomaly

78.4970, 18.9750, 36.0870

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.4700, 52.2500, 99.3700 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(190, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 190)  
}
```

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(190, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 190) }
```

## Border

The CSS property to change the border of an element to YIQ 78.4700, 52.2500, 99.3700 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(190, 0, 190) }
```



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

```
.border{ border-color:rgb(190, 0, 190) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
190) }
```

# Background

The CSS property to change the background color of an element to YIQ 78.4700, 52.2500, 99.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 190) }
```

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

```
.background{ background-color: rgb(190, 0,  
190) }
```

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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