

# Converting Colors

YIQ(96.3690, 12.7430, 16.8630)

Have a look what the booklet for  
YIQ(96.3690, 12.7430, 16.8630)  
contains.

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# Color

**YIQ(96.3690, 12.7430,  
16.8630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	77526F
RGB	119, 82, 111
RGB Percent	47%, 32%, 44%
CMY	0.5332, 0.6785, 0.5647
CMYK	0.00, 0.31, 0.07, 0.53
HSL	313°, 18%, 39%
HSV	313°, 31%, 47%
XYZ	13.4972, 11.1040, 16.4729
YIQ	96.3690, 12.7430, 16.8630

# Conversions

## Conversions Part 2

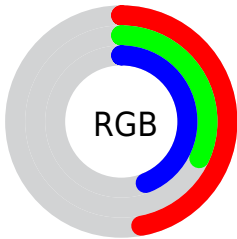
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 82, 111
Decimal	7819887
CIE <sub>Lab</sub>	39.76, 20.54, -10.44
CIE <sub>LCh</sub>	40, 23.037, 333.051
Yxy	11.1040, 0.3286, 0.2703
Android (android.graphics.Color)	4286009967 (0xFF77526F)
YUV	96.3690, 7.2131, 19.8474
Hunter-Lab	33.3226, 13.9864, -5.9839

# Details

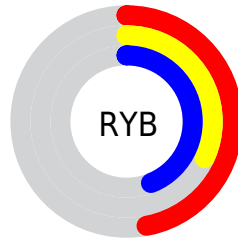
The YIQ color **96.3690, 12.7430, 16.8630** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **104.6310, -12.7430, -16.8630**, and the grayscale version is **96.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **147.4940, 13.8890, 18.1210**, and **49.2440, 11.5970, 15.6050** is the 20% darker color. If you saturate the color by 10%, you get **88.9830, 17.0060, 22.2060**, and if you desaturate by 10%, it is **103.7550, 8.4800, 11.5200**.

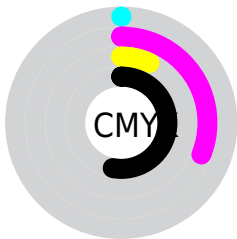
# Distribution



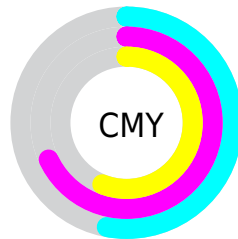
- Red (47%)
- Green (32%)
- Blue (44%)



- Red (47%)
- Yellow (32%)
- Blue (44%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)
- Black (53%)



- Cyan (53%)
- Magenta (68%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 96.3690, 12.7430, 16.8630 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 96.3690, 12.7430, 16.8630 by changing the saturation by 10% instead.



■ 96.3690, 12.7430,  
16.8630

■ 96.3690, 12.7430,  
16.8630

■ 255.0000, -0.0000,  
-0.0000

■ 72.6570, 11.8720,  
16.1280

■ 147.4940, 13.8890,  
18.1210

■ 49.2440, 11.5970,  
15.6050

■ 173.9070, 14.1640,  
18.6440

■ 27.5320, 10.7260,  
14.8700

■ 201.6190, 15.0350,  
19.3790

■ 10.7660, 9.9470,  
12.4670

■ 229.3200, 14.4390,  
19.1670

■ 0.0000, 0.0000,  
0.0000

■ 246.7820, 3.8500,  
7.3220

96.3690, 12.7430,  
16.8630

96.3690, 12.7430,  
16.8630

88.9830, 17.0060,  
22.2060

103.7550, 8.4800,  
11.5200

81.7110, 20.9480,  
27.8600

111.0270, 4.5380,  
5.8660

74.3250, 25.2110,  
33.2030

118.4130, 0.2750,  
0.5230

67.0530, 29.1530,  
38.8570

125.6850, -3.6670,  
-5.1310

59.6670, 33.4160,  
44.2000

133.0710, -7.9300,  
-10.4740

52.9820, 37.0830,  
49.3310


139.7560,  
-11.5970, -15.6050

46.1830, 41.0710,  
54.1510

147.1420,  
-15.8600, -20.9480

154.5280,

-20.1230, -26.2910

 161.8000,  
-24.0650, -31.9450

# Harmonies

## Analogous

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



95.2080, -5.9170, 13.6270



96.3690, 12.7430, 16.8630



95.4320, 25.6270, 14.6430

# Triad

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



96.3690, 12.7430, 16.8630



92.0710, 18.4330, -9.1750



79.9210, -51.4860, -14.0620

# Complementary

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



96.3690, 12.7430, 16.8630



104.6310, -12.7430, -16.8630

# 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.



83.2400, -36.4470, -16.7910



96.3690, 12.7430, 16.8630



90.2970, 2.9370, -14.6870

# Square

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



96.3690, 12.7430, 16.8630



93.9030, 28.0140, -1.0900



87.0760, -15.4940, -16.5660



85.1380, -44.4270, -4.3230



# Rectangle

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



96.3690, 12.7430, 16.8630



95.2490, 30.3960, 10.8120



87.0760, -15.4940, -16.5660



80.8350, -48.3680, -15.5040

# Sweetspot

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



96.3690, 12.7430, 16.8630



147.4400, 4.8130, 6.3890



88.3110, -7.7050, 12.9910



73.4890, 3.1170, 4.0850



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



96.3690, 12.7430, 16.8630



120.4720, 20.1230, 26.2910



94.3170, 18.5210, 11.2650



55.2500, 2.2920, 2.5160



47.4220, 41.8960, 55.7200



97.0940, 86.0840, 113.9560



# Inverse Universe

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



96.3690, 12.7430, 16.8630



120.4720, 20.1230, 26.2910



106.6830, -18.5210, -11.2650



55.2500, 2.2920, 2.5160



47.4220, 41.8960, 55.7200

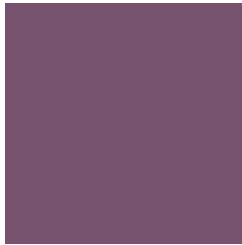


97.0940, 86.0840, 113.9560



# Previews

## White Background



This preview shows how the YIQ color 96.3690, 12.7430, 16.8630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

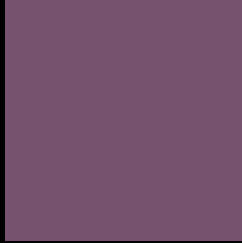
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 96.3690, 12.7430, 16.8630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

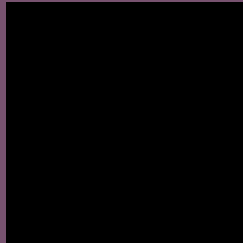
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 96.3690, 12.7430, 16.8630

## Background



This preview shows how black text looks on a background with the YIQ color 96.3690, 12.7430, 16.8630.



This preview shows how white text looks on a background with the YIQ color 96.3690, 12.7430,



# 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

96.3690, 12.7430, 16.8630

### Protanopia

94.4690, -11.3260, 7.0260

### Deuteranopia

95.1340, -3.0730, 6.1350



## Tritanopia

95.9530, 16.5500, 8.4380

# Trichromacy



## Original Color

96.3690, 12.7430, 16.8630

## Protanomaly

95.0680, -2.7070, 10.5170

## Deuteranomaly

95.2920, 2.4740, 10.2340

## Tritanomaly

96.4630, 15.1740, 11.3500

# Monochromacy



## Original Color

96.3690, 12.7430, 16.8630

## Achromatopsia

96.0000, -0.0000, 0.0000

## Achromatomaly

96.0270, 4.5380, 5.8660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 96.3690, 12.7430, 16.8630 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(119, 82, 111)` looks like.

```
.text, #text, p{  
    color:rgb(119, 82, 111)  
}
```

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(119, 82, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 82, 111) }
```

## Border

The CSS property to change the border of an element to YIQ 96.3690, 12.7430, 16.8630 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(119, 82, 111) }
```



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

```
.border{ border-color:rgb(119, 82, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 82, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 82, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 82, 111);  
box-shadow:4px 4px 4px 4px rgb(119, 82,  
111) }
```

# Background

The CSS property to change the background color of an element to YIQ 96.3690, 12.7430, 16.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 82, 111) }
```

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

```
.background{ background-color: rgb(119, 82,  
111) }
```

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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