

# Converting Colors

YIQ(101.3690, 12.7430, 16.8630)

Have a look what the booklet for  
YIQ(101.3690, 12.7430, 16.8630)  
contains.

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# Color

**YIQ(101.3690, 12.7430,  
16.8630)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C5774
RGB	124, 87, 116
RGB Percent	49%, 34%, 45%
CMY	0.5136, 0.6589, 0.5451
CMYK	0.00, 0.30, 0.06, 0.51
HSL	313°, 18%, 41%
HSV	313°, 30%, 49%
XYZ	14.8758, 12.3621, 18.1273
YIQ	101.3690, 12.7430, 16.8630

# Conversions

## Conversions Part 2

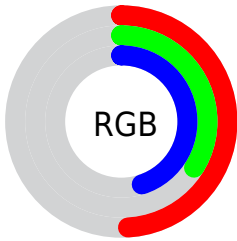
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 87, 116
Decimal	8148852
CIE Lab	41.79, 20.38, -10.39
CIE LCh	42, 22.874, 332.976
Yxy	12.3621, 0.3279, 0.2725
Android (android.graphics.Color)	4286338932 (0xFF7C5774)
YUV	101.3690, 7.2131, 19.8474
Hunter-Lab	35.1598, 13.9923, -5.9562

# Details

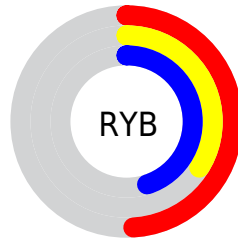
The YIQ color **101.3690, 12.7430, 16.8630** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **109.6310, -12.7430, -16.8630**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **152.4940, 13.8890, 18.1210**, and **53.9450, 11.0010, 15.3930** is the 20% darker color. If you saturate the color by 10%, you get **93.9830, 17.0060, 22.2060**, and if you desaturate by 10%, it is **108.7550, 8.4800, 11.5200**.

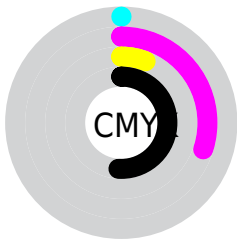
# Distribution



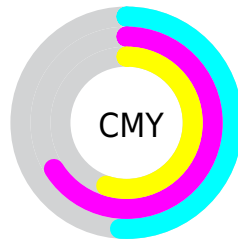
- Red (49%)
- Green (34%)
- Blue (45%)



- Red (49%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (30%)
- Yellow (6%)
- Black (51%)



- Cyan (51%)
- Magenta (66%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.3690, 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 101.3690, 12.7430, 16.8630 by changing the saturation by 10% instead.



101.3690, 12.7430,  
16.8630

101.3690, 12.7430,  
16.8630

255.0000, -0.0000,  
-0.0000

76.9560, 12.4680,  
16.3400

152.4940, 13.8890,  
18.1210

53.9450, 11.0010,  
15.3930

179.7930, 14.4850,  
18.3330

31.6460, 10.4050,  
15.1810

207.2060, 14.7600,  
18.8560

12.4180, 11.0470,  
14.5590

233.5260, 10.8630,  
17.8950

0.0000, 0.0000,  
0.0000

250.3040, 2.2000,  
4.1840

101.3690, 12.7430,  
16.8630

101.3690, 12.7430,  
16.8630

93.9830, 17.0060,  
22.2060

108.7550, 8.4800,  
11.5200

86.1240, 21.2230,  
28.3830

116.6140, 4.2630,  
5.3430

78.7380, 25.4860,  
33.7260

124.0000, -0.0000,  
-0.0000

70.7650, 30.0240,  
39.5920

131.9730, -4.5380,  
-5.8660

63.4930, 33.9660,  
45.2460

139.2450, -8.4800,  
-11.5200

56.1070, 38.2290,  
50.5890


146.6310,  
-12.7430, -16.8630

48.1340, 42.7670,  
56.4550

154.6040,  
-17.2810, -22.7290

161.8760,

-21.2230, -28.3830

 169.8490,  
-25.7610, -34.2490

# Harmonies

## Analogous

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



100.2080, -5.9170, 13.6270



101.3690, 12.7430, 16.8630



100.7310, 26.2230, 14.8550

# Triad

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



101.3690, 12.7430, 16.8630



97.3700, 19.0290, -8.9630



86.1170, -49.1020, -13.2140

# Complementary

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



101.3690, 12.7430, 16.8630



109.6310, -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.



88.8380, -35.2550, -16.3670



101.3690, 12.7430, 16.8630



95.4820, 3.8540, -14.7860

# Square

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



101.3690, 12.7430, 16.8630



98.9030, 28.0140, -1.0900



92.0760, -15.4940, -16.5660



90.4370, -43.8310, -4.1110



# Rectangle

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



101.3690, 12.7430, 16.8630



100.2490, 30.3960, 10.8120



92.0760, -15.4940, -16.5660



86.7320, -46.5800, -14.8680

# Sweetspot

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



101.3690, 12.7430, 16.8630



151.8530, 5.0880, 6.9120



93.3110, -7.7050, 12.9910



76.4890, 3.1170, 4.0850



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



101.3690, 12.7430, 16.8630



125.4720, 20.1230, 26.2910



99.3170, 18.5210, 11.2650



57.3640, 1.9710, 2.8270



48.5470, 43.0420, 56.9780



97.9200, 86.6340, 115.0020



# Inverse Universe

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



101.3690, 12.7430, 16.8630



125.4720, 20.1230, 26.2910



111.6830, -18.5210, -11.2650



57.3640, 1.9710, 2.8270



48.5470, 43.0420, 56.9780



97.9200, 86.6340, 115.0020



# Previews

## White Background



This preview shows how the YIQ color 101.3690, 12.7430, 16.8630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

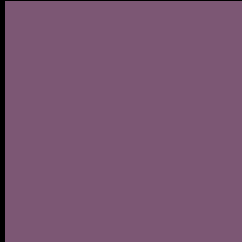
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 101.3690, 12.7430, 16.8630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

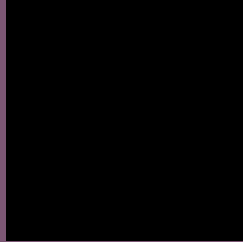
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 101.3690, 12.7430, 16.8630

## Background



This preview shows how black text looks on a background with the YIQ color 101.3690, 12.7430, 16.8630.



This preview shows how white text looks on a background with the YIQ color 101.3690, 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

101.3690, 12.7430, 16.8630

### Protanopia

99.3550, -11.0050, 6.7150

### Deuteranopia

99.5470, -2.7980, 6.6580



## Tritanopia

100.3660, 16.8250, 8.9610

# Trichromacy



## Original Color

101.3690, 12.7430, 16.8630

## Protanomaly

99.9540, -2.3860, 10.2060

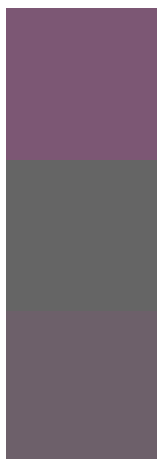
## Deuteranomaly

100.2920, 2.4740, 10.2340

## Tritanomaly

100.8760, 15.4490, 11.8730

# Monochromacy



## Original Color

101.3690, 12.7430, 16.8630

## Achromatopsia

101.0000, -0.0000, 0.0000

## Achromatomaly

101.0270, 4.5380, 5.8660

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.3690, 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(124, 87, 116)` looks like.

```
.text, #text, p{  
    color:rgb(124, 87, 116)  
}
```

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(124, 87, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 87, 116) }
```

## Border

The CSS property to change the border of an element to YIQ 101.3690, 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(124, 87, 116) }
```



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

```
.border{ border-color:rgb(124, 87, 116) }
```

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

Here you see how a box with a 4 pixel rgb(124, 87, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 87, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 87, 116);  
box-shadow:4px 4px 4px 4px rgb(124, 87,  
116) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.3690, 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(124, 87, 116) }
```

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

```
.background{ background-color: rgb(124, 87,  
116) }
```

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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