

# Converting Colors

YIQ(102.9410, 16.8240, 14.4880)

Have a look what the booklet for  
YIQ(102.9410, 16.8240, 14.4880)  
contains.

<b>YIQ(102.9410, 16.8240, 14.4880)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(102.9410, 16.8240,  
14.4880)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80596D
RGB	128, 89, 109
RGB Percent	50%, 35%, 43%
CMY	0.4979, 0.6510, 0.5725
CMYK	0.00, 0.30, 0.15, 0.50
HSL	329°, 18%, 43%
HSV	329°, 30%, 50%
XYZ	15.2382, 12.8377, 16.1465
YIQ	102.9410, 16.8240, 14.4880

# Conversions

## Conversions Part 2

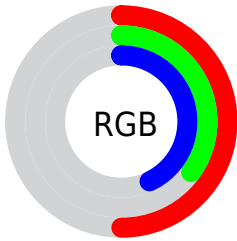
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 89, 109
Decimal	8411501
CIE <sub>Lab</sub>	42.52, 19.39, -4.97
CIE <sub>LCh</sub>	43, 20.019, 345.630
Yxy	12.8377, 0.3446, 0.2903
Android (android.graphics.Color)	4286601581 (0xFF80596D)
YUV	102.9410, 2.9871, 21.9767
Hunter-Lab	35.8298, 13.2128, -1.6379

# Details

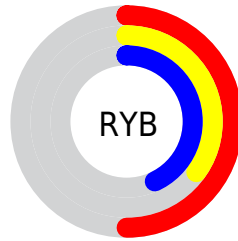
The YIQ color **102.9410, 16.8240, 14.4880** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **114.0590, -16.8240, -14.4880**, and the grayscale version is **103.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **153.9520, 18.2910, 15.4350**, and **55.6310, 14.7610, 13.3290** is the 20% darker color. If you saturate the color by 10%, you get **94.6260, 22.3250, 19.4210**, and if you desaturate by 10%, it is **111.2560, 11.3230, 9.5550**.

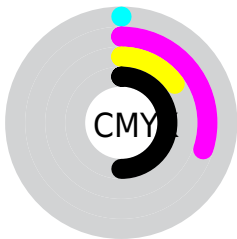
# Distribution



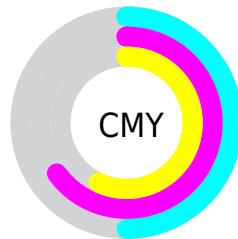
- Red (50%)
- Green (35%)
- Blue (43%)



- Red (50%)
- Yellow (35%)
- Blue (43%)



- Cyan (0%)
- Magenta (30%)
- Yellow (15%)
- Black (50%)



- Cyan (50%)
- Magenta (65%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 102.9410, 16.8240, 14.4880 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 102.9410, 16.8240, 14.4880 by changing the saturation by 10% instead.



■ 102.9410, 16.8240,  
14.4880

■ 102.9410, 16.8240,  
14.4880

■ 255.0000, -0.0000,  
-0.0000

■ 78.6420, 16.2280,  
14.2760

■ 153.9520, 18.2910,  
15.4350

■ 55.6310, 14.7610,  
13.3290

■ 181.2510, 18.8870,  
15.6470

■ 33.0330, 13.5690,  
12.9050

■ 208.9630, 19.7580,  
16.3820

■ 12.3320, 14.1650,  
13.1170

■ 233.7880, 12.8810,  
14.3610

■ 0.0000, 0.0000,  
0.0000

■ 252.0650, 1.3750,  
2.6150

■ 102.9410, 16.8240,  
14.4880

■ 102.9410, 16.8240,  
14.4880

■ 94.6260, 22.3250,  
19.4210

■ 111.2560, 11.3230,  
9.5550

■ 86.3110, 27.8260,  
24.3540

■ 119.5710, 5.8220,  
4.6220

■ 78.4690, 33.3730,  
28.4530

■ 127.4130, 0.2750,  
0.5230

■ 70.1540, 38.8740,  
33.3860

■ 135.7280, -5.2260,  
-4.4100

■ 61.8390, 44.3750,  
38.3190

■ 144.0430,  
-10.7270, -9.3430

■ 53.5240, 49.8760,  
43.2520


■ 152.3580,  
-16.2280, -14.2760

■ 45.7960, 55.1020,  
47.6620

■ 160.7870,  
-22.0500, -18.8980

■ 168.5150,

-27.2760, -23.3080

 176.8300,  
-32.7770, -28.2410

# Harmonies

## Analogous

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



102.5140, 1.9690, 13.8810



102.9410, 16.8240, 14.4880



102.2100, 26.1320, 10.9960

# Triad

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



102.9410, 16.8240, 14.4880



98.4230, 11.5100, -10.3620



92.3680, -39.3830, -7.6310

# Complementary

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



102.9410, 16.8240, 14.4880



114.0590, -16.8240, -14.4880

# 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.



92.2450, -34.8430, -12.8190



102.9410, 16.8240, 14.4880



96.4150, -3.2070, -13.4710

# Square

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



102.9410, 16.8240, 14.4880



100.3860, 22.1000, -4.0440



94.2050, -20.1710, -14.4030



96.4280, -30.4440, 1.0760



# Rectangle

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



102.9410, 16.8240, 14.4880



101.6460, 27.6000, 6.4160



94.2050, -20.1710, -14.4030



91.9010, -39.5660, -9.8220

# Sweetspot

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



102.9410, 16.8240, 14.4880



156.2830, 6.6930, 5.3570



99.1270, -1.1950, 16.1570



78.2610, 3.7590, 3.4630



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000



# Same Dimension

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



102.9410, 16.8240, 14.4880



126.1860, 26.6800, 23.0960



100.7750, 22.9230, 8.5790



59.5490, 2.8880, 2.7280



45.6820, 55.4230, 47.3510



0.0000, 0.0000, 0.0000



# Inverse Universe

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



102.9410, 16.8240, 14.4880



126.1860, 26.6800, 23.0960



116.2250, -22.9230, -8.5790



59.5490, 2.8880, 2.7280



45.6820, 55.4230, 47.3510

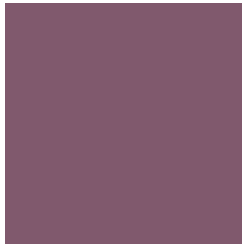


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 102.9410, 16.8240, 14.4880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

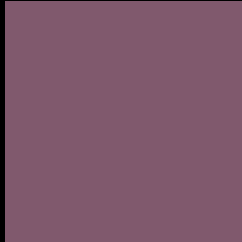
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 102.9410, 16.8240, 14.4880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

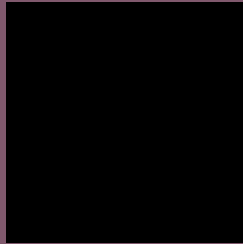
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 102.9410, 16.8240, 14.4880

## Background



This preview shows how black text looks on a background with the YIQ color 102.9410, 16.8240, 14.4880.



This preview shows how white text looks on a background with the YIQ color 102.9410, 16.8240,



# 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

102.9410, 16.8240, 14.4880

### Protanopia

101.2260, -6.3280, 4.5520

### Deuteranopia

101.7170, 2.4750, 4.7070



## Tritanopia

102.5620, 19.2090, 9.8090

# Trichromacy



## Original Color

102.9410, 16.8240, 14.4880

## Protanomaly

101.8250, 2.2910, 8.0430

## Deuteranomaly

102.4620, 7.7470, 8.2830

## Tritanomaly

102.4310, 18.2000, 11.5760

# Monochromacy



## Original Color

102.9410, 16.8240, 14.4880

## Achromatopsia

103.0000, -0.0000, 0.0000

## Achromatomaly

102.9840, 6.0970, 5.1450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 102.9410, 16.8240, 14.4880 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(128, 89, 109)` looks like.

```
.text, #text, p{  
    color:rgb(128, 89, 109)  
}
```

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(128, 89, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 89, 109) }
```

## Border

The CSS property to change the border of an element to YIQ 102.9410, 16.8240, 14.4880 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(128, 89, 109) }
```



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

```
.border{ border-color:rgb(128, 89, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 89, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 89, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 89, 109);  
box-shadow:4px 4px 4px 4px rgb(128, 89,  
109) }
```

# Background

The CSS property to change the background color of an element to YIQ 102.9410, 16.8240, 14.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 89, 109) }
```

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

```
.background{ background-color: rgb(128, 89,  
109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor