

# Converting Colors

YIQ(104.2830, 15.8610, 15.4210)

Have a look what the booklet for  
YIQ(104.2830, 15.8610, 15.4210)  
contains.

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# Color

**YIQ(104.2830, 15.8610,  
15.4210)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	815A71
RGB	129, 90, 113
RGB Percent	51%, 35%, 44%
CMY	0.4940, 0.6471, 0.5568
CMYK	0.00, 0.30, 0.12, 0.49
HSL	325°, 18%, 43%
HSV	325°, 30%, 51%
XYZ	15.6935, 13.1714, 17.3414
YIQ	104.2830, 15.8610, 15.4210

# Conversions

## Conversions Part 2

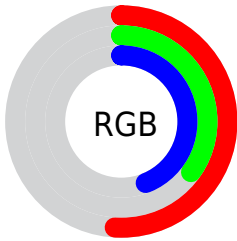
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 90, 113
Decimal	8477297
CIE <sub>Lab</sub>	43.02, 19.90, -6.65
CIE <sub>LCh</sub>	43, 20.987, 341.523
Yxy	13.1714, 0.3396, 0.2851
Android (android.graphics.Color)	4286667377 (0xFF815A71)
YUV	104.2830, 4.2975, 21.6768
Hunter-Lab	36.2924, 13.6750, -2.9255

# Details

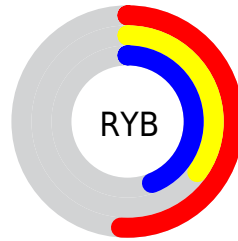
The YIQ color **104.2830, 15.8610, 15.4210** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **114.7170, -15.8610, -15.4210**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **155.9950, 16.7320, 16.1560**, and **56.8590, 14.1190, 13.9510** is the 20% darker color. If you saturate the color by 10%, you get **96.0820, 21.0410, 20.6650**, and if you desaturate by 10%, it is **112.4840, 10.6810, 10.1770**.

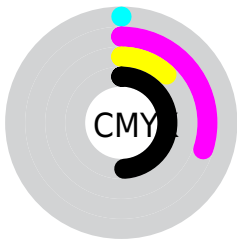
# Distribution



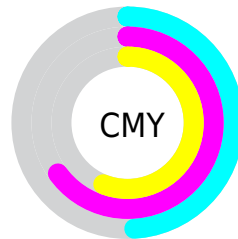
- Red (51%)
- Green (35%)
- Blue (44%)



- Red (51%)
- Yellow (35%)
- Blue (44%)



- Cyan (0%)
- Magenta (30%)
- Yellow (12%)
- Black (49%)



- Cyan (49%)
- Magenta (65%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 104.2830, 15.8610, 15.4210 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 104.2830, 15.8610, 15.4210 by changing the saturation by 10% instead.



■ 104.2830, 15.8610,  
15.4210

■ 104.2830, 15.8610,  
15.4210

■ 255.0000, -0.0000,  
-0.0000

■ 79.9840, 15.2650,  
15.2090

■ 155.4080, 17.0070,  
16.6790

■ 56.2720, 14.3940,  
14.4740

■ 182.7070, 17.6030,  
16.8910

■ 34.2610, 12.9270,  
13.5270

■ 210.4190, 18.4740,  
17.6260

■ 13.0870, 13.4770,  
14.5730

■ 234.8310, 11.3220,  
15.0820

■ 0.0000, 0.0000,  
0.0000

■ 252.6520, 1.1000,  
2.0920

104.2830, 15.8610,  
15.4210

104.2830, 15.8610,  
15.4210

96.0820, 21.0410,  
20.6650

112.4840, 10.6810,  
10.1770

87.7670, 26.5420,  
25.5980

120.7990, 5.1800,  
5.2440

79.5660, 31.7220,  
30.8420

129.0000, 0.0000,  
0.0000

71.3650, 36.9020,  
36.0860

137.2010, -5.1800,  
-5.2440

63.1640, 42.0820,  
41.3300

145.4020,  
-10.3600, -10.4880

55.4360, 47.3080,  
45.7400


153.1300,  
-15.5860, -14.8980

47.2350, 52.4880,  
50.9840

161.3310,  
-20.7660, -20.1420

169.5320,

-25.9460, -25.3860

 177.8470,  
-31.4470, -30.3190

# Harmonies

## Analogous

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



103.8450, -0.4610, 13.8670



104.2830, 15.8610, 15.4210



103.7370, 26.0860, 11.8300

# Triad

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



104.2830, 15.8610, 15.4210



100.0920, 13.9400, -10.3480



92.4600, -42.6380, -9.2140

# Complementary

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



104.2830, 15.8610, 15.4210



114.7170, -15.8610, -15.4210

# 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.



92.4190, -35.3930, -13.8650



104.2830, 15.8610, 15.4210



97.6710, -1.0520, -13.9800

# Square

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



104.2830, 15.8610, 15.4210



101.5820, 24.4840, -3.1960



94.8630, -19.2080, -15.3360



96.3350, -34.6160, -0.4080



# Rectangle

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



104.2830, 15.8610, 15.4210



102.7710, 28.7460, 7.6740



94.8630, -19.2080, -15.3360



92.1780, -41.9040, -11.5040

# Sweetspot

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



104.2830, 15.8610, 15.4210



158.5110, 6.0510, 5.9790



99.2300, -2.9830, 15.5210



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.



104.2830, 15.8610, 15.4210



129.9300, 24.5250, 23.6050



102.1170, 21.9600, 9.5120



59.5490, 2.8880, 2.7280



46.8220, 52.2130, 50.4610



0.0000, 0.0000, 0.0000



# Inverse Universe

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



104.2830, 15.8610, 15.4210



129.9300, 24.5250, 23.6050



116.8830, -21.9600, -9.5120



59.5490, 2.8880, 2.7280



46.8220, 52.2130, 50.4610

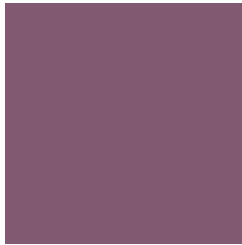


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 104.2830, 15.8610, 15.4210 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

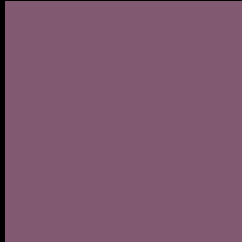
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 104.2830, 15.8610, 15.4210 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

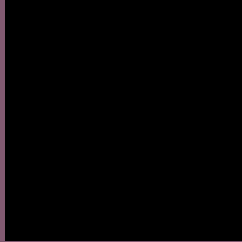
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 104.2830, 15.8610, 15.4210

## Background



This preview shows how black text looks on a background with the YIQ color 104.2830, 15.8610, 15.4210.



This preview shows how white text looks on a background with the YIQ color 104.2830, 15.8610,

15.4210.

# 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

104.2830, 15.8610, 15.4210

### Protanopia

102.2690, -7.8870, 5.2730

### Deuteranopia

102.7600, 0.9160, 5.4280



## Tritanopia

103.2630, 18.6130, 9.5970

# Trichromacy



## Original Color

104.2830, 15.8610, 15.4210

## Protanomaly

102.8680, 0.7320, 8.7640

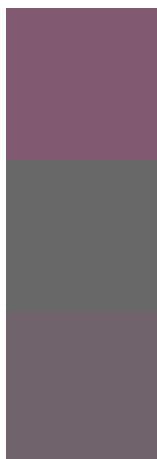
## Deuteranomaly

103.5050, 6.1880, 9.0040

## Tritanomaly

103.5450, 17.8790, 11.8870

# Monochromacy



## Original Color

104.2830, 15.8610, 15.4210

## Achromatopsia

104.0000, -0.0000, -0.0000

## Achromatomaly

104.0980, 5.7760, 5.4560

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 104.2830, 15.8610, 15.4210 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(129, 90, 113)` looks like.

```
.text, #text, p{  
    color:rgb(129, 90, 113)  
}
```

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(129, 90, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 90, 113) }
```

## Border

The CSS property to change the border of an element to YIQ 104.2830, 15.8610, 15.4210 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(129, 90, 113) }
```



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

```
.border{ border-color:rgb(129, 90, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 90, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 90, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 90, 113);  
box-shadow:4px 4px 4px 4px rgb(129, 90,  
113) }
```

# Background

The CSS property to change the background color of an element to YIQ 104.2830, 15.8610, 15.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 90, 113) }
```

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

```
.background{ background-color: rgb(129, 90,  
113) }
```

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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