

# Converting Colors

YIQ(154.8210, 0.0870, 25.9670)

Have a look what the booklet for  
YIQ(154.8210, 0.0870, 25.9670)  
contains.

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# Color

**YIQ(154.8210, 0.0870,  
25.9670)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB8AC7
RGB	171, 138, 199
RGB Percent	67%, 54%, 78%
CMY	0.3293, 0.4589, 0.2197
CMYK	0.14, 0.31, 0.00, 0.22
HSL	273°, 35%, 66%
HSV	273°, 31%, 78%
XYZ	36.1950, 30.9573, 58.0932
YIQ	154.8210, 0.0870, 25.9670

# Conversions

## Conversions Part 2

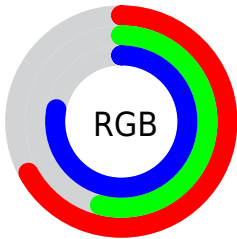
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	171, 138, 199
Decimal	11242183
CIE Lab	62.47, 24.18, -26.92
CIE LCh	62, 36.180, 311.929
Yxy	30.9573, 0.2890, 0.2472
Android (android.graphics.Color)	4289432263 (0xFFAB8AC7)
YUV	154.8210, 21.7802, 14.1890
Hunter-Lab	55.6392, 18.7509, -22.9575

# Details

The YIQ color  $154.8210, 0.0870, 25.9670$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $182.1790, -0.0870, -25.9670$ , and the grayscale version is  $155.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $209.6470, 0.6370, 27.0130$ , and  $103.4680, -0.4170, 24.0870$  is the 20% darker color. If you saturate the color by 10%, you get  $140.3900, 0.2230, 34.5190$ , and if you desaturate by 10%, it is  $169.2520, -0.0490, 17.4150$ .

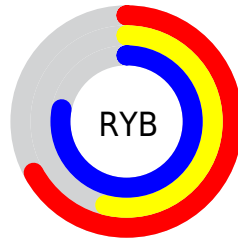
# Distribution



Red (67%)

Green (54%)

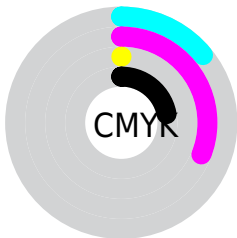
Blue (78%)



Red (67%)

Yellow (54%)

Blue (78%)

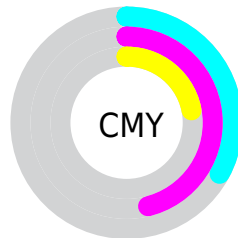


Cyan (14%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (33%)

Magenta (46%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 154.8210, 0.0870, 25.9670 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 154.8210, 0.0870, 25.9670 by changing the saturation by 10% instead.



154.8210, 0.0870,  
25.9670

154.8210, 0.0870,  
25.9670

255.0000, -0.0000,  
-0.0000

128.4080, -0.1880,  
25.4440

209.6470, 0.6370,  
27.0130

103.4680, -0.4170,  
24.0870

234.4550, 9.6250,  
18.3050

78.9410, -0.3710,  
23.2530

250.8910, 1.9250,  
3.6610

55.1150, -0.9210,  
22.2070

32.8760, -1.7460,  
20.6380

12.9470, -0.5080,  
20.2280

3.5510, -8.6210,

7.5630

■ 0.0000, 0.0000,  
0.0000

■ 154.8210, 0.0870,  
25.9670

■ 154.8210, 0.0870,  
25.9670

■ 140.3900, 0.2230,  
34.5190

■ 169.2520, -0.0490,  
17.4150

■ 125.9590, 0.3590,  
43.0710

■ 183.6830, -0.1850,  
8.8630

■ 111.5280, 0.4950,  
51.6230

■ 198.1140, -0.3210,  
0.3110

■ 97.0970, 0.6310,  
60.1750

■ 212.8440, 0.1390,  
-8.0290

■ 82.3670, 0.1710,  
68.5150

■ 226.6880, 0.2780,  
-16.0580

68.5230, 0.0320,  
76.5440

239.9450, 0.6920,  
-23.5640

54.9780, 0.4890,  
84.7850

242.6360, 6.0560,  
-21.6560

245.3270, 11.4200,  
-19.7480

248.0180, 16.7840,  
-17.8400

# Harmonies

## Analogous

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



149.8210, -35.4440, 14.6040



154.8210, 0.0870, 25.9670



154.8430, 29.3840, 29.1600

# Triad

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



154.8210, 0.0870, 25.9670



150.1250, 44.7040, -6.2080



125.2710, -82.4310, -31.4470

# Complementary

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



154.8210, 0.0870, 25.9670



182.1790, -0.0870, -25.9670

# 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.



137.6660, -38.1870, -29.3150



154.8210, 0.0870, 25.9670



147.2700, 24.7620, -19.2540

# Square

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



154.8210, 0.0870, 25.9670



152.2160, 52.3580, 9.2700



143.7980, -3.3880, -26.7160



119.4440, -107.6030, -26.7950



# Rectangle

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



154.8210, 0.0870, 25.9670



154.1510, 42.9560, 25.4840



143.7980, -3.3880, -26.7160



130.5950, -65.7880, -30.2040

# Sweetspot

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



154.8210, 0.0870, 25.9670



238.2100, -0.2310, 9.6970



161.3900, -27.2810, 4.3270



117.1020, -0.0470, 6.3610



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



154.8210, 0.0870, 25.9670



186.9650, 0.2220, 40.0460



162.9650, 17.4170, 31.2810



92.5210, 0.0910, 3.8590



44.8940, 0.1250, 69.3490



9.7850, -0.2320, 15.2240



# Inverse Universe

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



159.4310, 27.3680, 21.6400



194.0080, 42.2210, 33.3010



174.0350, -17.4170, -31.2810



93.1470, 4.0800, 3.1520



57.2870, 73.0730, 57.8810



12.5880, 16.3200, 12.6080



# Previews

## White Background



This preview shows how the YIQ color 154.8210, 0.0870, 25.9670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

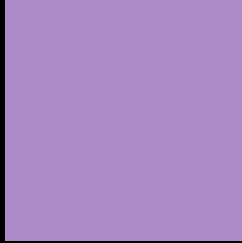
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 154.8210, 0.0870, 25.9670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

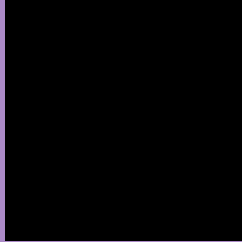
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**YIQ 154.8210, 0.0870, 25.9670**

## **Background**



This preview shows how black text looks on a background with the YIQ color 154.8210, 0.0870, 25.9670.



This preview shows how white text looks on a background with the YIQ color 154.8210, 0.0870,

25.9670.

# 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

154.8210, 0.0870, 25.9670

### Protanopia

151.1270, -27.5580, 14.8580

### Deuteranopia

152.0800, -20.1760, 13.2320



## Tritanopia

152.7500, 6.8760, 7.5480

# Trichromacy



## Original Color

154.8210, 0.0870, 25.9670

## Protanomaly

152.3240, -17.7470, 18.7730

## Deuteranomaly

153.1350, -12.8410, 17.9670

## Tritanomaly

153.5960, 4.6740, 14.4180

# Monochromacy



## Original Color

154.8210, 0.0870, 25.9670

## Achromatopsia

155.0000, -0.0000, 0.0000

## Achromatomaly

155.0960, 0.0900, 9.3860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 154.8210, 0.0870, 25.9670 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(171, 138, 199)` looks like.

```
.text, #text, p{  
    color:rgb(171, 138, 199)  
}
```

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(171, 138, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 138, 199) }
```

## Border

The CSS property to change the border of an element to YIQ 154.8210, 0.0870, 25.9670 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(171, 138, 199) }
```



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

```
.border{ border-color:rgb(171, 138, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 138, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 138, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 138, 199);  
box-shadow:4px 4px 4px 4px rgb(171, 138,  
199) }
```

# Background

The CSS property to change the background color of an element to YIQ 154.8210, 0.0870, 25.9670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 138, 199) }
```

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

```
.background{ background-color: rgb(171,  
138, 199) }
```

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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