

# Converting Colors

YIQ(90.2230, 25.2580, 26.8420)

Have a look what the booklet for  
YIQ(90.2230, 25.2580, 26.8420)  
contains.

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# Color

**YIQ(90.2230, 25.2580,  
26.8420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83426C
RGB	131, 66, 108
RGB Percent	51%, 26%, 42%
CMY	0.4861, 0.7413, 0.5764
CMYK	0.00, 0.50, 0.18, 0.49
HSL	321°, 33%, 39%
HSV	321°, 50%, 51%
XYZ	14.0215, 9.8053, 15.3458
YIQ	90.2230, 25.2580, 26.8420

# Conversions

## Conversions Part 2

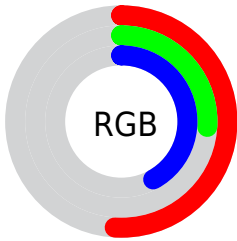
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 66, 108
Decimal	8602220
CIE <sub>Lab</sub>	37.49, 33.63, -11.86
CIE <sub>LCh</sub>	37, 35.659, 340.580
Yxy	9.8053, 0.3579, 0.2503
Android (android.graphics.Color)	4286792300 (0xFF83426C)
YUV	90.2230, 8.7641, 35.7614
Hunter-Lab	31.3134, 25.1303, -7.1369

# Details

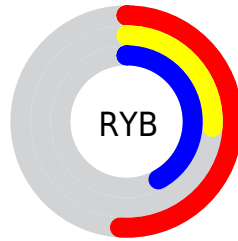
The YIQ color **90.2230, 25.2580, 26.8420** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **106.7770, -25.2580, -26.8420**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.8320, 27.9170, 28.2130**, and **40.5540, 22.8280, 26.8280** is the 20% darker color. If you saturate the color by 10%, you get **82.0220, 30.4380, 32.0860**, and if you desaturate by 10%, it is **98.4240, 20.0780, 21.5980**.

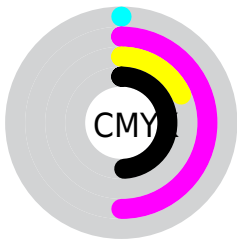
# Distribution



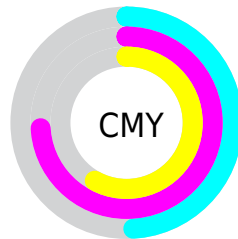
- Red (51%)
- Green (26%)
- Blue (42%)



- Red (51%)
- Yellow (26%)
- Blue (42%)



- Cyan (0%)
- Magenta (50%)
- Yellow (18%)
- Black (49%)



- Cyan (49%)
- Magenta (74%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.2230, 25.2580, 26.8420 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 90.2230, 25.2580, 26.8420 by changing the saturation by 10% instead.



90.2230, 25.2580,  
26.8420

90.2230, 25.2580,  
26.8420

255.0000, -0.0000,  
-0.0000

65.6250, 24.0660,  
26.4180

141.8320, 27.9170,  
28.2130

40.5540, 22.8280,  
26.8280

168.5440, 28.7880,  
28.9480

20.8910, 20.2610,  
23.7890

196.2560, 29.6590,  
29.6830

11.9190, 13.8900,  
12.5940

219.5860, 19.8020,  
26.6020

0.0000, 0.0000,  
0.0000

237.3900, 8.2500,  
15.6900

254.4130, 0.2750,

0.5230

■ 90.2230, 25.2580,  
26.8420

■ 90.2230, 25.2580,  
26.8420

■ 82.0220, 30.4380,  
32.0860

■ 98.4240, 20.0780,  
21.5980

■ 73.9350, 35.2970,  
37.6410

■ 106.5110, 15.2190,  
16.0430

■ 65.7340, 40.4770,  
42.8850

■ 114.7120, 10.0390,  
10.7990

■ 57.5330, 45.6570,  
48.1290

■ 122.9130, 4.8590,  
5.5550

■ 48.8590, 50.7910,  
54.2070

■ 131.0000, -0.0000,  
-0.0000

■ 139.7880, -5.4550,  
-5.7670

■ 147.8750,  
-10.3140, -11.3220

■ 156.0760,  
-15.4940, -16.5660

■ 164.2770,  
-20.6740, -21.8100

# Harmonies

## Analogous

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



90.4570, -1.8840, 23.1400



90.2230, 25.2580, 26.8420



88.1460, 41.3520, 21.5120

# Triad

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



90.2230, 25.2580, 26.8420



84.4270, 22.8820, -18.2220



73.5370, -67.9000, -13.9480

# Complementary

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



90.2230, 25.2580, 26.8420



106.7770, -25.2580, -26.8420

# 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.



71.6330, -59.7830, -23.3910



90.2230, 25.2580, 26.8420



80.5640, -2.6090, -24.3130

# Square

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



90.2230, 25.2580, 26.8420



86.6020, 38.9270, -6.1370



69.1320, -45.4310, -30.1910



72.5400, -71.9820, -6.0460



# Rectangle

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



90.2230, 25.2580, 26.8420



87.5560, 45.7090, 14.1330



69.1320, -45.4310, -30.1910



73.2120, -65.6070, -16.9590

# Sweetspot

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



90.2230, 25.2580, 26.8420



154.7120, 10.0390, 10.7990



80.2870, -7.1570, 25.0910



76.9240, 6.3260, 6.5020



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



90.2230, 25.2580, 26.8420



106.4350, 39.8810, 42.6730



86.5750, 35.5300, 16.8900



62.2500, 2.2920, 2.5160



48.4460, 50.5160, 53.6840



1.1250, 1.1460, 1.2580



# Inverse Universe

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



90.2230, 25.2580, 26.8420



106.4350, 39.8810, 42.6730



110.4250, -35.5300, -16.8900



62.2500, 2.2920, 2.5160



48.4460, 50.5160, 53.6840



1.1250, 1.1460, 1.2580



# Previews

## White Background



This preview shows how the YIQ color 90.2230, 25.2580, 26.8420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

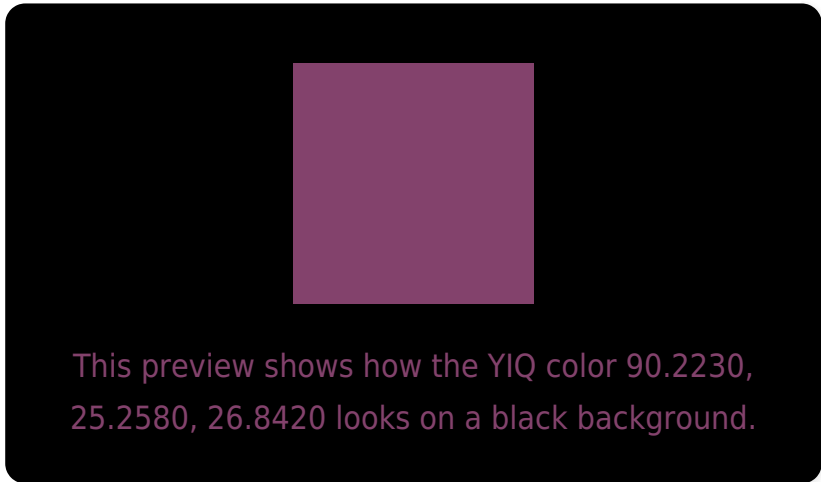
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

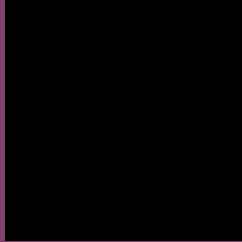
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 90.2230, 25.2580, 26.8420

## Background



This preview shows how black text looks on a background with the YIQ color 90.2230, 25.2580, 26.8420.



This preview shows how white text looks on a background with the YIQ color 90.2230, 25.2580,



# 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

90.2230, 25.2580, 26.8420

### Protanopia

89.1140, -17.5160, 9.0760

### Deuteranopia

89.9490, -3.9900, 6.2340



## Tritanopia

89.4280, 31.4500, 13.7380

# Trichromacy



## Original Color

90.2230, 25.2580, 26.8420

## Protanomaly

89.4150, -2.0660, 15.4220

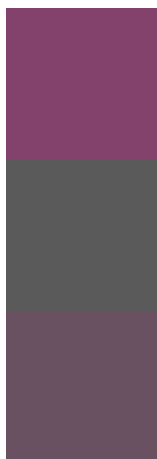
## Deuteranomaly

89.8520, 6.8290, 13.9090

## Tritanomaly

89.8070, 29.0650, 18.4170

# Monochromacy



## Original Color

90.2230, 25.2580, 26.8420

## Achromatopsia

90.0000, -0.0000, -0.0000

## Achromatomaly

90.0000, 9.1680, 10.0640

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.2230, 25.2580, 26.8420 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(131, 66, 108)` looks like.

```
.text, #text, p{  
    color:rgb(131, 66, 108)  
}
```

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(131, 66, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 66, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 90.2230, 25.2580, 26.8420 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(131, 66, 108) }
```



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

```
.border{ border-color:rgb(131, 66, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 66, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 66, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 66, 108); box-shadow:4px 4px 4px 4px rgb(131, 66, 108) }
```

# Background

The CSS property to change the background color of an element to YIQ 90.2230, 25.2580, 26.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 66, 108) }
```

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

```
.background{ background-color: rgb(131, 66,  
108) }
```

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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