

# Converting Colors

YIQ(100.9670, 23.1030, 27.3510)

Have a look what the booklet for  
YIQ(100.9670, 23.1030, 27.3510)  
contains.

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# Color

**YIQ(100.9670, 23.1030,  
27.3510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C4D7A
RGB	140, 77, 122
RGB Percent	55%, 30%, 48%
CMY	0.4508, 0.6981, 0.5215
CMYK	0.00, 0.45, 0.13, 0.45
HSL	317°, 29%, 43%
HSV	317°, 45%, 55%
XYZ	16.9886, 12.2890, 19.8937
YIQ	100.9670, 23.1030, 27.3510

# Conversions

## Conversions Part 2

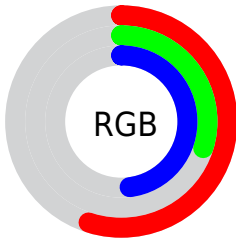
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 77, 122
Decimal	9194874
CIE Lab	41.67, 33.07, -14.05
CIE LCh	42, 35.928, 336.973
Yxy	12.2890, 0.3455, 0.2499
Android (android.graphics.Color)	4287384954 (0xFF8C4D7A)
YUV	100.9670, 10.3693, 34.2319
Hunter-Lab	35.0556, 25.1573, -9.1075

# Details

The YIQ color **100.9670, 23.1030, 27.3510** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **116.0330, -23.1030, -27.3510**, and the grayscale version is **101.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **153.2770, 25.1660, 28.5100**, and **51.6570, 21.0400, 26.1920** is the 20% darker color. If you saturate the color by 10%, you get **92.2930, 28.2370, 33.4290**, and if you desaturate by 10%, it is **109.6410, 17.9690, 21.2730**.

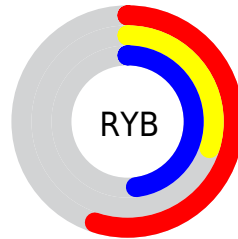
# Distribution



Red (55%)

Green (30%)

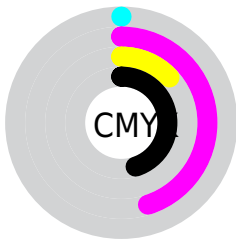
Blue (48%)



Red (55%)

Yellow (30%)

Blue (48%)

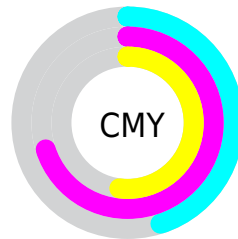


Cyan (0%)

Magenta (45%)

Yellow (13%)

Black (45%)



Cyan (45%)

Magenta (70%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 100.9670, 23.1030, 27.3510 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 100.9670, 23.1030, 27.3510 by changing the saturation by 10% instead.



100.9670, 23.1030,  
27.3510

100.9670, 23.1030,  
27.3510

255.0000, -0.0000,  
-0.0000

76.2550, 22.2320,  
26.6160

153.2770, 25.1660,  
28.5100

51.6570, 21.0400,  
26.1920

180.1030, 25.7160,  
29.5560

25.8250, 20.6270,  
28.1710

207.8150, 26.5870,  
30.2910

15.9780, 15.4020,  
18.2340

227.9980, 12.6500,  
24.0580

0.0000, 0.0000,  
0.0000

245.0210, 4.6750,  
8.8910

■ 100.9670, 23.1030,  
27.3510

■ 100.9670, 23.1030,  
27.3510

■ 92.2930, 28.2370,  
33.4290

■ 109.6410, 17.9690,  
21.2730

■ 83.6190, 33.3710,  
39.5070

■ 118.3150, 12.8350,  
15.1950

■ 74.9450, 38.5050,  
45.5850

■ 126.9890, 7.7010,  
9.1170

■ 66.2710, 43.6390,  
51.6630

■ 135.6630, 2.5670,  
3.0390

■ 57.5970, 48.7730,  
57.7410

■ 144.3370, -2.5670,  
-3.0390


■ 53.2600, 51.3400,  
60.7800

■ 153.0110, -7.7010,  
-9.1170

■ 161.6850,  
-12.8350, -15.1950

■ 170.3590,

-17.9690, -21.2730

 179.0330,  
-23.1030, -27.3510

# Harmonies

## Analogous

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



100.8910, -6.1020, 22.4900



100.9670, 23.1030, 27.3510



99.2000, 41.2600, 23.1800

# Triad

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



100.9670, 23.1030, 27.3510



94.9220, 25.8620, -17.1620



80.9060, -73.4930, -17.2130

# Complementary

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



100.9670, 23.1030, 27.3510



116.0330, -23.1030, -27.3510

# 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.



78.3010, -64.7800, -26.4440



100.9670, 23.1030, 27.3510



91.7170, 1.3340, -24.1860

# Square

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



100.9670, 23.1030, 27.3510



96.6240, 41.8610, -4.2430



83.4600, -34.6110, -28.0430



80.7240, -78.4920, -9.2120



# Rectangle

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



100.9670, 23.1030, 27.3510



98.0940, 47.1300, 15.9140



83.4600, -34.6110, -28.0430



80.4670, -70.8790, -20.5350

# Sweetspot

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



100.9670, 23.1030, 27.3510



165.5270, 9.1220, 10.8980



89.5640, -9.4950, 23.4090



82.0380, 6.0050, 6.8130



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



100.9670, 23.1030, 27.3510



120.2820, 35.9380, 42.5460



97.4330, 33.0540, 17.7100



64.6630, 2.5670, 3.0390



50.5970, 48.7730, 57.7410



1.9510, 1.6960, 2.3040



# Inverse Universe

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



100.9670, 23.1030, 27.3510



120.2820, 35.9380, 42.5460



119.5670, -33.0540, -17.7100



64.6630, 2.5670, 3.0390



50.5970, 48.7730, 57.7410

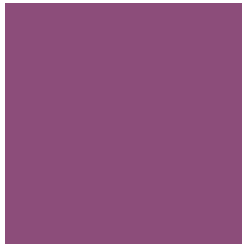


1.9510, 1.6960, 2.3040



# Previews

## White Background



This preview shows how the YIQ color 100.9670, 23.1030, 27.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

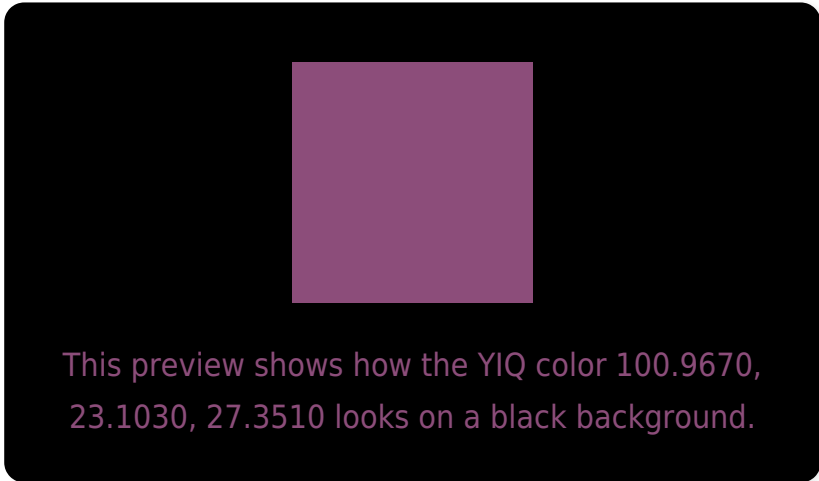
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

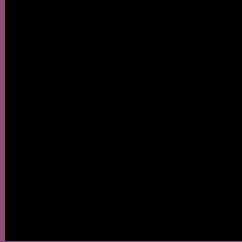
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 100.9670, 23.1030, 27.3510

## Background



This preview shows how black text looks on a background with the YIQ color 100.9670, 23.1030, 27.3510.



This preview shows how white text looks on a background with the YIQ color 100.9670, 23.1030,



# 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

100.9670, 23.1030, 27.3510

### Protanopia

98.5700, -18.8000, 10.3200

### Deuteranopia

100.1060, -5.8700, 7.2660



## Tritanopia

100.2320, 29.0660, 12.8900

# Trichromacy



## Original Color

100.9670, 23.1030, 27.3510

## Protanomaly

99.5720, -3.9460, 16.4540

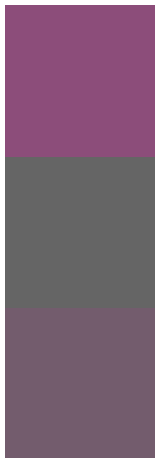
## Deuteranomaly

100.5960, 4.6740, 14.4180

## Tritanomaly

100.1380, 26.6350, 18.4030

# Monochromacy



## Original Color

100.9670, 23.1030, 27.3510

## Achromatopsia

101.0000, -0.0000, 0.0000

## Achromatomaly

100.8150, 8.2510, 10.1630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 100.9670, 23.1030, 27.3510 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(140, 77, 122)` looks like.

```
.text, #text, p{  
    color:rgb(140, 77, 122)  
}
```

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(140, 77, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 77, 122) }
```

## Border

The CSS property to change the border of an element to YIQ 100.9670, 23.1030, 27.3510 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(140, 77, 122) }
```



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

```
.border{ border-color:rgb(140, 77, 122) }
```

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

Here you see how a box with a 4 pixel rgb(140, 77, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 77, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 77, 122);  
box-shadow:4px 4px 4px 4px rgb(140, 77,  
122) }
```

# Background

The CSS property to change the background color of an element to YIQ 100.9670, 23.1030, 27.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 77, 122) }
```

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

```
.background{ background-color: rgb(140, 77,  
122) }
```

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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