

# Converting Colors

YIQ(41.9410, 27.1330, 53.4450)

Have a look what the booklet for  
YIQ(41.9410, 27.1330, 53.4450)  
contains.

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# Color

**YIQ(41.9410, 27.1330,  
53.4450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	650067
RGB	101, 0, 103
RGB Percent	40%, 0%, 40%
CMY	0.6036, 1.0000, 0.5960
CMYK	0.02, 1.00, 0.00, 0.60
HSL	299°, 100%, 20%
HSV	299°, 100%, 40%
XYZ	7.8241, 3.7506, 13.1454
YIQ	41.9410, 27.1330, 53.4450

# Conversions

## Conversions Part 2

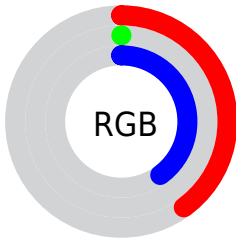
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 0, 103
Decimal	6619239
CIE <sub>Lab</sub>	22.83, 50.14, -31.90
CIE <sub>LCh</sub>	23, 59.426, 327.532
Yxy	3.7506, 0.3165, 0.1517
Android (android.graphics.Color)	4284809319 (0xFF650067)
YUV	41.9410, 30.1021, 51.7947
Hunter-Lab	19.3665, 38.2228, -26.6878

# Details

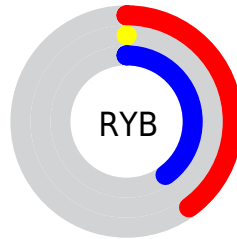
The YIQ color **41.9410, 27.1330, 53.4450** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **61.0590, -27.1330, -53.4450**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.5830, 25.0250, 47.5930**, and **21.5190, 12.7410, 27.9170** is the 20% darker color. If you saturate the color by 10%, you get **41.9410, 27.1330, 53.4450**, and if you desaturate by 10%, it is **47.8110, 24.3830, 48.2150**.

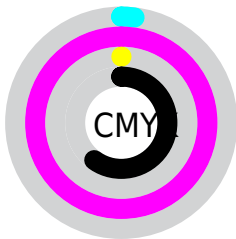
# Distribution



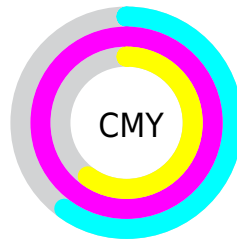
- Red (40%)
- Green (0%)
- Blue (40%)



- Red (40%)
- Yellow (0%)
- Blue (40%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (60%)



- Cyan (60%)
- Magenta (100%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 41.9410, 27.1330, 53.4450 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 41.9410, 27.1330, 53.4450 by changing the saturation by 10% instead.



41.9410, 27.1330,  
53.4450

41.9410, 27.1330,  
53.4450

255.0000, -0.0000,  
-0.0000

31.4310, 19.3410,  
40.4690

101.5830, 25.0250,  
47.5930

21.5190, 12.7410,  
27.9170

128.8820, 25.6210,  
47.8050

10.3400, 2.5190,  
14.9270

155.8930, 27.0880,  
48.7520

0.6840, -1.9260,  
1.8660

183.7190, 27.6380,  
49.7980


0.0000, 0.0000,  
0.0000


206.2790, 22.8250,  
43.4090


222.7150, 15.1250,


28.7650


 239.7380, 7.1500,  
13.5980


 41.9410, 27.1330,  
53.4450

 47.8110, 24.3830,  
48.2150

 54.2680, 21.3580,  
42.4620

 60.4370, 19.2040,  
37.4440

 66.3070, 16.4540,  
32.2140

 72.7640, 13.4290,  
26.4610

■ 78.6340, 10.6790,  
21.2310

■ 84.5040, 7.9290,  
16.0010

■ 90.6730, 5.7750,  
10.9830

■ 97.1300, 2.7500,  
5.2300

# Harmonies

## Analogous

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



48.0950, -41.7270, 23.8490



41.9410, 27.1330, 53.4450



44.2150, 55.2400, 45.1600

# Triad

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



41.9410, 27.1330, 53.4450



51.7530, 28.0160, -12.1440



53.0940, -50.2950, -8.1110

# Complementary

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



41.9410, 27.1330, 53.4450



61.0590, -27.1330, -53.4450

# 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.



47.2630, -35.2540, -21.8940



41.9410, 27.1330, 53.4450



44.4560, -2.4250, -27.6490

# Square

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



41.9410, 27.1330, 53.4450



48.1190, 54.0090, 6.8810



40.5030, -18.9750, -36.0870



55.9100, -60.9800, 3.8200



# Rectangle

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



41.9410, 27.1330, 53.4450



41.6210, 65.4200, 36.8760



40.5030, -18.9750, -36.0870



50.7970, -45.2050, -12.2530

# Sweetspot

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



41.9410, 27.1330, 53.4450



111.2210, 10.4040, 20.7080



13.5030, -33.8880, 30.4640



54.0260, 6.2790, 12.8630



196.0000, -0.0000, -0.0000



69.0000, -0.0000, -0.0000



# Same Dimension

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



41.9410, 27.1330, 53.4450



55.1570, 35.9330, 70.1810



37.0670, 43.7330, 38.9410



48.0650, 1.3750, 2.6150



46.8970, 30.4330, 59.7210



98.7500, 64.1660, 125.7180



# Inverse Universe

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



31.0250, 60.7460, 22.4580



40.7070, 79.4970, 29.5530



65.9330, -43.7330, -38.9410



47.4950, 2.9800, 1.0600



34.6130, 67.8980, 25.0020



72.9280, 142.6270, 52.8590



# Previews

## White Background



This preview shows how the YIQ color 41.9410, 27.1330, 53.4450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

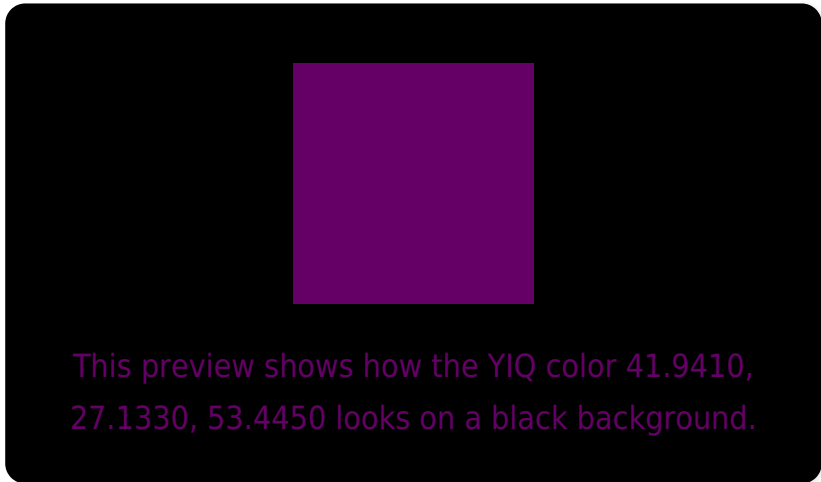
Any Text WCAG AA ✓ Pass

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

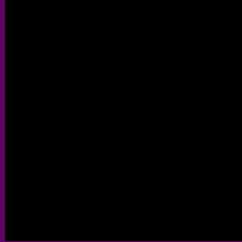
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 41.9410, 27.1330, 53.4450

## Background



This preview shows how black text looks on a background with the YIQ color 41.9410, 27.1330, 53.4450.



This preview shows how white text looks on a background with the YIQ color 41.9410, 27.1330,



# 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

41.9410, 27.1330, 53.4450

### Deuteranopia

55.5580, -27.6940, 6.3060

### Tritanopia

56.4880, 31.2210, 12.3810

# Trichromacy



**Original Color**

41.9410, 27.1330, 53.4450

**Deuteranomaly**

50.9340, -7.6610, 23.2110

**Tritanomaly**

51.0880, 30.0720, 27.7040

# Monochromacy



**Original Color**

41.9410, 27.1330, 53.4450

**Achromatopsia**

42.0000, -0.0000, -0.0000

**Achromatomaly**

41.9820, 9.5790, 19.1390

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 41.9410, 27.1330, 53.4450 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(101, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 103)  
}
```

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(101, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 103) }
```

## Border

The CSS property to change the border of an element to YIQ 41.9410, 27.1330, 53.4450 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(101, 0, 103) }
```

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

```
.border{ border-color:rgb(101, 0, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 0, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(101, 0,  
103) }
```



# Background

The CSS property to change the background color of an element to YIQ 41.9410, 27.1330, 53.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 103) }
```

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

```
.background{ background-color: rgb(101, 0,  
103) }
```

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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