

# Converting Colors

YIQ(41.2310, 49.1430, 40.0150)

Have a look what the booklet for  
YIQ(41.2310, 49.1430, 40.0150)  
contains.

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# Color

**YIQ(41.2310, 49.1430,  
40.0150)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	710237
RGB	113, 2, 55
RGB Percent	44%, 1%, 22%
CMY	0.5566, 0.9923, 0.7842
CMYK	0.00, 0.98, 0.51, 0.56
HSL	331°, 97%, 23%
HSV	331°, 98%, 44%
XYZ	7.5315, 3.8344, 3.9625
YIQ	41.2310, 49.1430, 40.0150

# Conversions

## Conversions Part 2

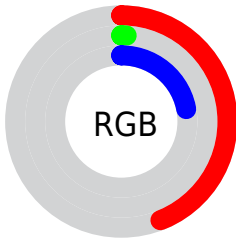
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 2, 55
Decimal	7406135
CIELab	23.12, 46.16, 1.16
CIElCh	23, 46.170, 1.445
Yxy	3.8344, 0.4913, 0.2501
Android (android.graphics.Color)	4285596215 (0xFF710237)
YUV	41.2310, 6.7881, 62.9414
Hunter-Lab	19.5815, 34.3879, 1.7091

# Details

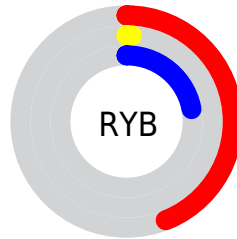
The YIQ color **41.2310, 49.1430, 40.0150** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **73.7690, -49.1430, -40.0150**, and the grayscale version is **41.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **100.3140, 50.1070, 33.5550**, and **19.1940, 32.2290, 16.1410** is the 20% darker color. If you saturate the color by 10%, you get **39.9430, 50.0140, 40.7500**, and if you desaturate by 10%, it is **48.3720, 44.1920, 36.1280**.

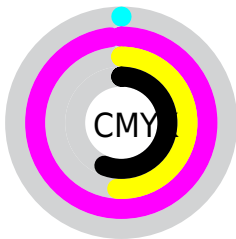
# Distribution



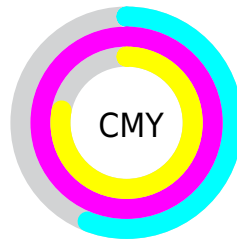
- Red (44%)
- Green (1%)
- Blue (22%)



- Red (44%)
- Yellow (1%)
- Blue (22%)



- Cyan (0%)
- Magenta (98%)
- Yellow (51%)
- Black (56%)



- Cyan (56%)
- Magenta (99%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 41.2310, 49.1430, 40.0150 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 41.2310, 49.1430, 40.0150 by changing the saturation by 10% instead.



■ 41.2310, 49.1430,  
40.0150

■ 41.2310, 49.1430,  
40.0150

■ 255.0000, -0.0000,  
-0.0000

■ 29.5900, 40.3420,  
28.8060

■ 100.3140, 50.1070,  
33.5550

■ 19.1940, 32.2290,  
16.1410

■ 127.6840, 51.9410,  
33.3570

■ 9.0840, 17.5590,  
6.6710

■ 154.7660, 54.6460,  
33.8940


■ 0.0000, 0.0000,  
0.0000


■ 181.7660, 54.6460,  
33.8940


■ 201.3940, 37.9580,  
27.9580


■ 221.0220, 21.2700,


22.0220


 240.3250, 6.8750,  
13.0750


 41.2310, 49.1430,  
40.0150


 41.2310, 49.1430,  
40.0150


 39.9430, 50.0140,  
40.7500

 48.3720, 44.1920,  
36.1280

 56.1000, 38.9660,  
31.7180

 63.2410, 34.0150,  
27.8310

 70.3820, 29.0640,  
23.9440

 78.1100, 23.8380,  
19.5340

■ 85.1370, 19.2080,  
15.3360

■ 92.2780, 14.2570,  
11.4490

■ 99.4190, 9.3060,  
7.5620

■ 107.1470, 4.0800,  
3.1520

# Harmonies

## Analogous

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



52.3510, 22.3220, 36.0020



41.2310, 49.1430, 40.0150



45.8500, 53.8690, 20.4370

# Triad

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



41.2310, 49.1430, 40.0150



46.8480, 2.3430, -25.9530



52.5530, -55.6610, 1.0350

# Complementary

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



41.2310, 49.1430, 40.0150



73.7690, -49.1430, -40.0150

# 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.



50.7630, -47.8650, -8.0970



41.2310, 49.1430, 40.0150



42.0820, -24.7990, -29.6550

# Square

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



41.2310, 49.1430, 40.0150



51.7310, 25.0820, -14.0380



46.8870, -36.9510, -18.6710



48.8830, -56.3500, 8.0180



# Rectangle

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



41.2310, 49.1430, 40.0150



49.5700, 51.1210, 4.1530



46.8870, -36.9510, -18.6710



52.3420, -53.6890, -1.6650

# Sweetspot

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



41.2310, 49.1430, 40.0150



120.1370, 19.2080, 15.3360



31.6970, -1.6590, 46.6050



57.1420, 11.6440, 9.2440



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



41.2310, 49.1430, 40.0150



52.3460, 65.4170, 53.4570



36.3630, 65.6060, 22.4860



52.1360, 2.6130, 2.2050



42.3780, 53.2230, 43.1670



87.3050, 109.3340, 89.0620



# Inverse Universe

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



41.2310, 49.1430, 40.0150



52.3460, 65.4170, 53.4570



78.6370, -65.6060, -22.4860



52.1360, 2.6130, 2.2050



42.3780, 53.2230, 43.1670

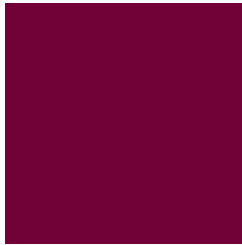


87.3050, 109.3340, 89.0620



# Previews

## White Background



This preview shows how the YIQ color 41.2310, 49.1430, 40.0150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

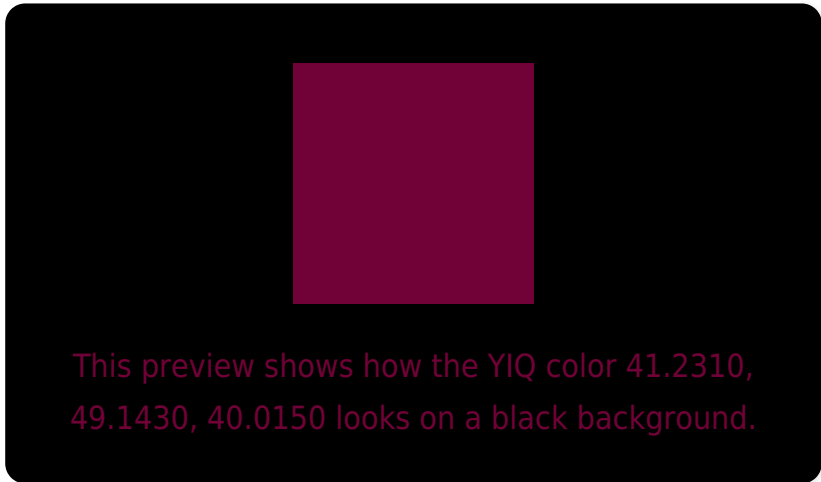
Any Text WCAG AA ✓ Pass

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

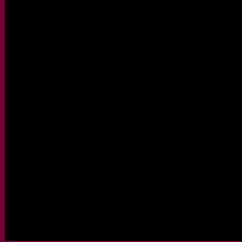
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 41.2310, 49.1430, 40.0150

## Background



This preview shows how black text looks on a background with the YIQ color 41.2310, 49.1430, 40.0150.



This preview shows how white text looks on a background with the YIQ color 41.2310, 49.1430,



# 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

41.2310, 49.1430, 40.0150

### Protanopia

59.0130, -10.0420, 5.7820

### Deuteranopia

59.1920, 8.2070, -0.0570



## Tritanopia

48.9100, 53.6400, 19.0800

# Trichromacy



## Original Color

41.2310, 49.1430, 40.0150

## Protanomaly

52.8250, 11.4590, 18.1070

## Deuteranomaly

52.7630, 23.1970, 14.6290

## Tritanomaly

46.1690, 51.7130, 26.4730

# Monochromacy



## Original Color

41.2310, 49.1430, 40.0150

## Achromatopsia

41.0000, 0.0000, -0.0000

## Achromatomaly

41.1260, 17.7410, 14.3890

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 41.2310, 49.1430, 40.0150 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(113, 2, 55)` looks like.

```
.text, #text, p{  
    color:rgb(113, 2, 55)  
}
```

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(113, 2, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 2, 55) }
```

## Border

The CSS property to change the border of an element to YIQ 41.2310, 49.1430, 40.0150 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(113, 2, 55) }
```



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

```
.border{ border-color:rgb(113, 2, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 2, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 2, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 2, 55);  
box-shadow:4px 4px 4px 4px rgb(113, 2, 55)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 41.2310, 49.1430, 40.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 2, 55) }
```

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

```
.background{ background-color: rgb(113, 2,  
55) }
```

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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