

# Converting Colors

YIQ(39.3170, 27.6890, 21.3290)

Have a look what the booklet for  
YIQ(39.3170, 27.6890, 21.3290)  
contains.

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# Color

**YIQ(39.3170, 27.6890,  
21.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4F122D
RGB	79, 18, 45
RGB Percent	31%, 7%, 18%
CMY	0.6900, 0.9295, 0.8234
CMYK	0.00, 0.77, 0.43, 0.69
HSL	333°, 63%, 19%
HSV	333°, 77%, 31%
XYZ	3.9179, 2.2855, 2.7196
YIQ	39.3170, 27.6890, 21.3290

# Conversions

## Conversions Part 2

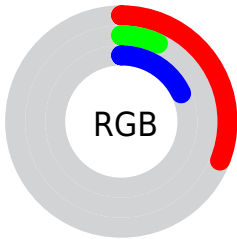
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	79, 18, 45
Decimal	5181997
CIE <sub>Lab</sub>	16.92, 30.83, -1.71
CIE <sub>LCh</sub>	17, 30.873, 356.834
Yxy	2.2855, 0.4391, 0.2561
Android (android.graphics.Color)	4283372077 (0xFF4F122D)
YUV	39.3170, 2.8017, 34.8020
Hunter-Lab	15.1177, 19.8036, -0.0834

# Details

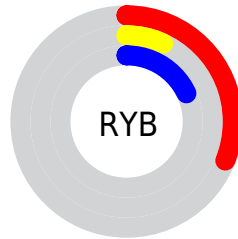
The YIQ color **39.3170, 27.6890, 21.3290** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **57.6830, -27.6890, -21.3290**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **88.2850, 30.7150, 21.5550**, and **9.3830, 18.1550, 6.8830** is the 20% darker color. If you saturate the color by 10%, you get **34.1650, 31.1730, 24.2690**, and if you desaturate by 10%, it is **44.4690, 24.2050, 18.3890**.

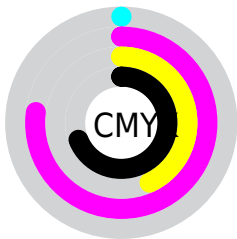
# Distribution



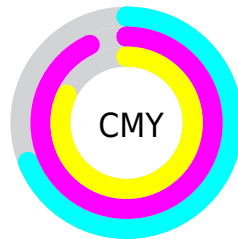
- Red (31%)
- Green (7%)
- Blue (18%)



- Red (31%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (77%)
- Yellow (43%)
- Black (69%)



- Cyan (69%)
- Magenta (93%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 39.3170, 27.6890, 21.3290 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 39.3170, 27.6890, 21.3290 by changing the saturation by 10% instead.



■ 39.3170, 27.6890,  
21.3290

■ 39.3170, 27.6890,  
21.3290

■ 254.4130, 0.2750,  
0.5230

■ 18.9960, 24.1590,  
19.2230

■ 88.2850, 30.7150,  
21.5550

■ 9.3830, 18.1550,  
6.8830

■ 113.7690, 32.2280,  
21.6680

■ 0.0000, 0.0000,  
0.0000

■ 139.7800, 33.6950,  
22.6150


■ 166.3780, 34.8870,  
23.0390


■ 193.9760, 36.0790,  
23.4630


■ 217.1920, 26.5430,


20.0710


 236.8200, 9.8550,  
14.1350


 39.3170, 27.6890,  
21.3290


 39.3170, 27.6890,  
21.3290


 34.1650, 31.1730,  
24.2690


 44.4690, 24.2050,  
18.3890


 28.8990, 34.9780,  
26.8980

 49.7350, 20.4000,  
15.7600

 27.6110, 35.8490,  
27.6330

 54.8870, 16.9160,  
12.8200

 60.1530, 13.1110,  
10.1910

 64.7180, 9.9020,  
7.7740

■ 69.8700, 6.4180,  
4.8340

■ 75.1360, 2.6130,  
2.2050

■ 80.2880, -0.8710,  
-0.7350

■ 85.5540, -4.6760,  
-3.3640

# Harmonies

## Analogous

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



42.5200, 11.0000, 20.9200



39.3170, 27.6890, 21.3290



38.8690, 34.5220, 13.1300

# Triad

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



39.3170, 27.6890, 21.3290



37.1680, 7.6140, -16.8500



38.3560, -39.1090, -1.5810

# Complementary

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



39.3170, 27.6890, 21.3290



57.6830, -27.6890, -21.3290

# 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.



37.4780, -33.8810, -8.2250



39.3170, 27.6890, 21.3290



31.1740, -18.8860, -21.1740

# Square

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



39.3170, 27.6890, 21.3290



39.9250, 21.7800, -9.2600



34.9700, -26.8190, -15.0670



36.2190, -39.9810, 3.2110



# Rectangle

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



39.3170, 27.6890, 21.3290



38.7730, 34.4320, 3.7440



34.9700, -26.8190, -15.0670



38.3730, -37.7790, -3.6590

# Sweetspot

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



39.3170, 27.6890, 21.3290



87.0170, 10.4980, 7.9860



35.1200, 0.6830, 26.1790



41.8700, 6.4180, 4.8340



179.0000, -0.0000, -0.0000



51.0000, -0.0000, -0.0000



# Same Dimension

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



39.3170, 27.6890, 21.3290



40.1930, 43.1380, 33.2020



38.0000, 35.5310, 11.3630



35.4240, 1.7420, 1.4700



35.6280, 46.3470, 35.6190



80.3980, 104.3380, 80.4820



# Inverse Universe

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



39.3170, 27.6890, 21.3290



40.1930, 43.1380, 33.2020



59.0000, -35.5310, -11.3630



35.4240, 1.7420, 1.4700



35.6280, 46.3470, 35.6190

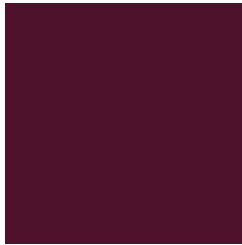


80.3980, 104.3380, 80.4820



# Previews

## White Background



This preview shows how the YIQ color 39.3170, 27.6890, 21.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

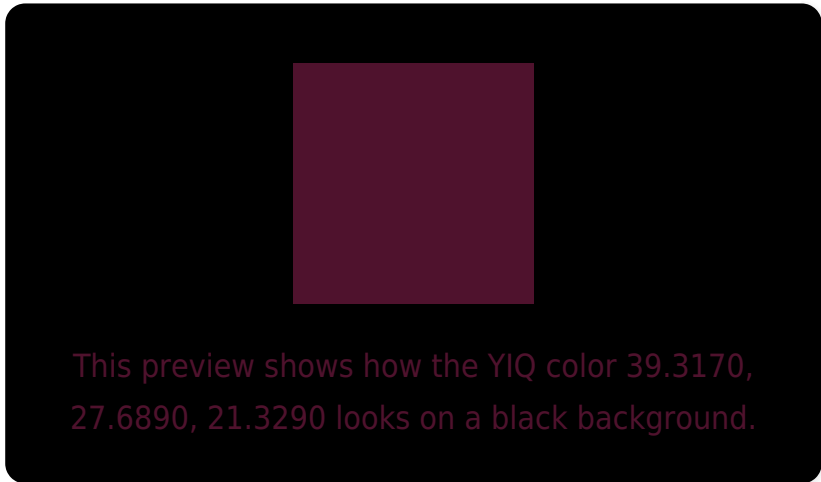
Any Text WCAG AA ✓ Pass

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

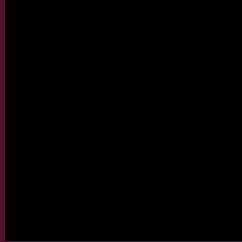
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 39.3170, 27.6890, 21.3290

## Background



This preview shows how black text looks on a background with the YIQ color 39.3170, 27.6890, 21.3290.



This preview shows how white text looks on a background with the YIQ color 39.3170, 27.6890,



# 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

39.3170, 27.6890, 21.3290

### Protanopia

43.4430, -8.4370, 4.2270

### Deuteranopia

43.7940, 3.5760, 1.2720



## Tritanopia

40.2600, 31.8630, 11.7590

# Trichromacy



## Original Color

39.3170, 27.6890, 21.3290

## Protanomaly

42.0750, 4.5830, 10.5590

## Deuteranomaly

41.9140, 12.2860, 8.6220

## Tritanomaly

39.8840, 30.1660, 14.9820

# Monochromacy



## Original Color

39.3170, 27.6890, 21.3290

## Achromatopsia

39.0000, -0.0000, -0.0000

## Achromatomaly

39.0170, 10.4980, 7.9860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 39.3170, 27.6890, 21.3290 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(79, 18, 45)` looks like.

```
.text, #text, p{  
    color:rgb(79, 18, 45)  
}
```

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(79, 18, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 18, 45) }
```

## Border

The CSS property to change the border of an element to YIQ 39.3170, 27.6890, 21.3290 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(79, 18, 45) }
```



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

```
.border{ border-color:rgb(79, 18, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 18, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 18, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 18, 45);  
box-shadow:4px 4px 4px 4px rgb(79, 18, 45)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 39.3170, 27.6890, 21.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 18, 45) }
```

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

```
.background{ background-color: rgb(79, 18,  
45) }
```

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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