

Converting Colors

YIQ(49.7680, 33.9690, 28.6650)

Have a look what the booklet for
YIQ(49.7680, 33.9690, 28.6650)
contains.

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Color

**YIQ(49.7680, 33.9690,
28.6650)**

Conversions

Conversions Part 1

Format	Color
Hex	64163D
RGB	100, 22, 61
RGB Percent	39%, 9%, 24%
CMY	0.6076, 0.9138, 0.7607
CMYK	0.00, 0.78, 0.39, 0.61
HSL	330°, 64%, 24%
HSV	330°, 78%, 39%
XYZ	6.3908, 3.6222, 4.7810
YIQ	49.7680, 33.9690, 28.6650

Conversions

Conversions Part 2

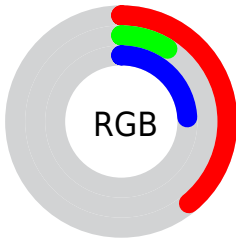
Format	Color
RYB	100, 22, 61
Decimal	6559293
CIELab	22.38, 37.88, -4.38
CIELCh	22, 38.136, 353.398
Yxy	3.6222, 0.4320, 0.2448
Android (android.graphics.Color)	4284749373 (0xFF64163D)
YUV	49.7680, 5.5374, 44.0535
Hunter-Lab	19.0320, 26.6327, -1.5717

Details

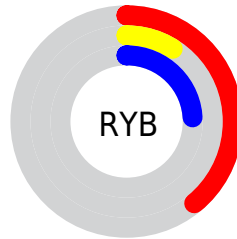
The YIQ color **49.7680, 33.9690, 28.6650** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **72.2320, -33.9690, -28.6650**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.2090, 37.0410, 28.0570**, and **17.4150, 24.2970, 16.7210** is the 20% darker color. If you saturate the color by 10%, you get **43.3280, 38.3240, 32.3400**, and if you desaturate by 10%, it is **56.2080, 29.6140, 24.9900**.

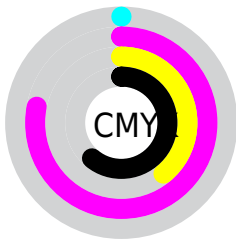
Distribution



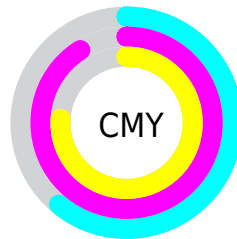
- Red (39%)
- Green (9%)
- Blue (24%)



- Red (39%)
- Yellow (9%)
- Blue (24%)



- Cyan (0%)
- Magenta (78%)
- Yellow (39%)
- Black (61%)



- Cyan (61%)
- Magenta (91%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.7680, 33.9690, 28.6650 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 49.7680, 33.9690, 28.6650 by changing the saturation by 10% instead.

■ 49.7680, 33.9690,
28.6650

■ 49.7680, 33.9690,
28.6650

■ 255.0000, -0.0000,
-0.0000

■ 26.5720, 31.5850,
27.8170

■ 101.2090, 37.0410,
28.0570

■ 17.4150, 24.2970,
16.7210

■ 127.2200, 38.5080,
29.0040

■ 3.8870, 7.7480,
2.7560

■ 154.1170, 40.2960,
29.6400

■ 0.0000, 0.0000,
0.0000

■ 181.7150, 41.4880,
30.0640

■ 205.1270, 34.3360,
27.5200

■ 224.8690, 17.3270,

21.8950

243.2600, 5.5000,
10.4600

49.7680, 33.9690,
28.6650

49.7680, 33.9690,
28.6650

43.3280, 38.3240,
32.3400

56.2080, 29.6140,
24.9900

36.8880, 42.6790,
36.0150

62.6480, 25.2590,
21.3150

35.6000, 43.5500,
36.7500

69.0880, 20.9040,
17.6400

75.5280, 16.5490,
13.9650

81.9680, 12.1940,
10.2900

■ 88.4080, 7.8390,
6.6150

■ 94.8480, 3.4840,
2.9400

■ 101.2880, -0.8710,
-0.7350

■ 107.7280, -5.2260,
-4.4100

Harmonies

Analogous

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



54.7960, 10.4030, 26.2350



49.7680, 33.9690, 28.6650



48.3480, 43.5990, 19.3350

Triad

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



49.7680, 33.9690, 28.6650



48.0880, 10.5950, -21.3170



48.8540, -49.3790, -2.6830

Complementary

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



49.7680, 33.9690, 28.6650



72.2320, -33.9690, -28.6650

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.



47.2920, -42.2250, -11.1930



49.7680, 33.9690, 28.6650



38.9190, -22.7820, -27.6620

Square

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



49.7680, 33.9690, 28.6650



50.8780, 29.1620, -10.8860



43.9860, -32.9160, -20.2120



47.1730, -51.5350, 3.3530

Rectangle

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



49.7680, 33.9690, 28.6650



49.7850, 43.3260, 7.7580



43.9860, -32.9160, -20.2120



48.6430, -47.4070, -5.3830

Sweetspot

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



49.7680, 33.9690, 28.6650



110.6800, 13.0650, 11.0250



42.2540, -2.3900, 32.3140



54.4080, 7.8390, 6.6150



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



49.7680, 33.9690, 28.6650



51.4320, 53.1310, 44.8350



45.4360, 46.1670, 16.8470



47.7230, 2.3380, 1.6820



40.8830, 50.2430, 42.1070



86.1520, 105.3910, 88.9350

Inverse Universe

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



49.7680, 33.9690, 28.6650



51.4320, 53.1310, 44.8350



76.5640, -46.1670, -16.8470



47.7230, 2.3380, 1.6820



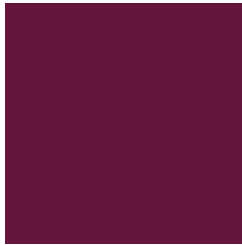
40.8830, 50.2430, 42.1070



86.1520, 105.3910, 88.9350

Previews

White Background



This preview shows how the YIQ color 49.7680, 33.9690, 28.6650 looks on a white background.

Color Contrast Check

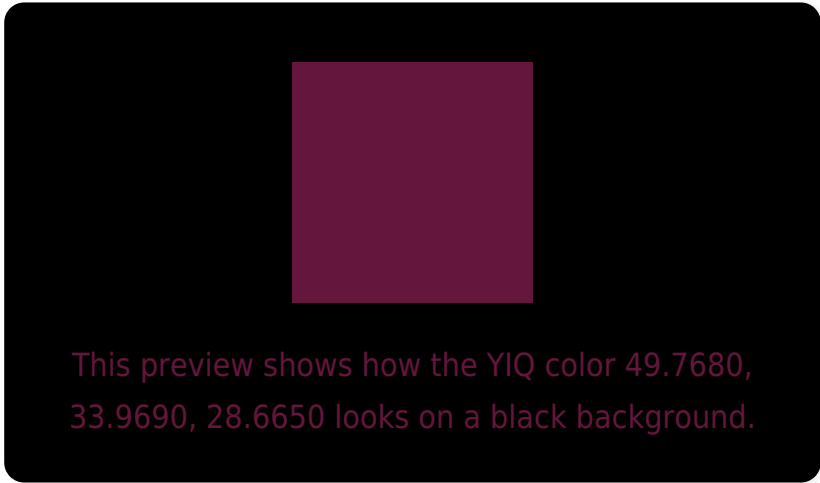
Large Text (above 18pt) WCAG AA ✓ Pass

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

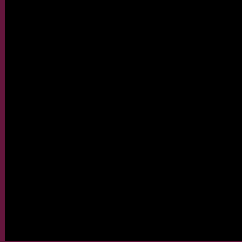
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.7680, 33.9690, 28.6650

Background



This preview shows how black text looks on a background with the YIQ color 49.7680, 33.9690, 28.6650.



This preview shows how white text looks on a background with the YIQ color 49.7680, 33.9690,

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

49.7680, 33.9690, 28.6650

Protanopia

54.8000, -13.7560, 7.0120

Deuteranopia

56.1360, 2.6130, 2.2050



Tritanopia

51.1470, 39.6110, 14.5150

Trichromacy



Original Color

49.7680, 33.9690, 28.6650

Protanomaly

52.8240, 4.0320, 15.0400

Deuteranomaly

53.6910, 14.5320, 11.9720

Tritanomaly

50.9390, 37.5010, 19.7170

Monochromacy



Original Color

49.7680, 33.9690, 28.6650

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.9680, 12.1940, 10.2900

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.7680, 33.9690, 28.6650 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(100, 22, 61)` looks like.

```
.text, #text, p{  
    color:rgb(100, 22, 61)  
}
```

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(100, 22, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 22, 61) }
```

Border

The CSS property to change the border of an element to YIQ 49.7680, 33.9690, 28.6650 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(100, 22, 61) }
```


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

```
.border{ border-color:rgb(100, 22, 61) }
```

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

Here you see how a box with a 4 pixel rgb(100, 22, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 22, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 22, 61);  
box-shadow:4px 4px 4px 4px rgb(100, 22,  
61) }
```

Background

The CSS property to change the background color of an element to YIQ 49.7680, 33.9690, 28.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 22, 61) }
```

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

```
.background{ background-color: rgb(100, 22,  
61) }
```

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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