

Converting Colors

YIQ(49.7660, 36.3100, 13.7660)

Have a look what the booklet for
YIQ(49.7660, 36.3100, 13.7660)
contains.

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Color

**YIQ(49.7660, 36.3100,
13.7660)**

Conversions

Conversions Part 1

Format	Color
Hex	5D1F21
RGB	93, 31, 33
RGB Percent	36%, 12%, 13%
CMY	0.6351, 0.8785, 0.8704
CMYK	0.00, 0.67, 0.64, 0.64
HSL	358°, 50%, 24%
HSV	358°, 67%, 36%
XYZ	5.2824, 3.4178, 1.8228
YIQ	49.7660, 36.3100, 13.7660

Conversions

Conversions Part 2

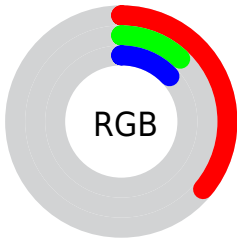
Format	Color
RYB	93, 31, 33
Decimal	6102817
CIELab	21.64, 28.55, 13.74
CIELCh	22, 31.683, 25.705
Yxy	3.4178, 0.5020, 0.3248
Android (android.graphics.Color)	4284292897 (0xFF5D1F21)
YUV	49.7660, -8.2656, 37.9162
Hunter-Lab	18.4872, 18.6505, 7.0952

Details

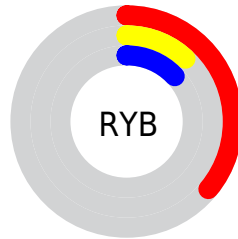
The YIQ color **49.7660, 36.3100, 13.7660** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **74.2340, -36.3100, -13.7660**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.5170, 41.4450, 14.3170**, and **13.1560, 26.2240, 9.3280** is the 20% darker color. If you saturate the color by 10%, you get **43.4570, 41.6740, 15.6740**, and if you desaturate by 10%, it is **56.0750, 30.9460, 11.8580**.

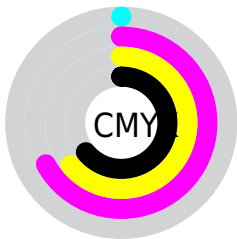
Distribution



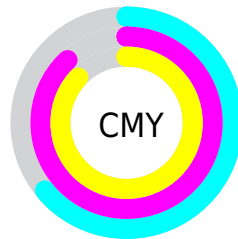
- Red (36%)
- Green (12%)
- Blue (13%)



- Red (36%)
- Yellow (12%)
- Blue (13%)



- Cyan (0%)
- Magenta (67%)
- Yellow (64%)
- Black (64%)



- Cyan (64%)
- Magenta (88%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.7660, 36.3100, 13.7660 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 49.7660, 36.3100, 13.7660 by changing the saturation by 10% instead.

■ 49.7660, 36.3100,
13.7660

■ 49.7660, 36.3100,
13.7660

■ 255.0000, -0.0000,
-0.0000

■ 24.8090, 34.7510,
14.4870

■ 98.5170, 41.4450,
14.3170

■ 13.1560, 26.2240,
9.3280

■ 124.3000, 43.5540,
14.6420

■ 0.0000, 0.0000,
0.0000

■ 151.0830, 45.6630,
14.9670

■ 177.9800, 47.4510,
15.6030

■ 204.0720, 44.1960,
14.0200

■ 222.9990, 28.1040,

8.2960

243.2140, 11.1410,
1.8370

49.7660, 36.3100,
13.7660

49.7660, 36.3100,
13.7660

43.4570, 41.6740,
15.6740

56.0750, 30.9460,
11.8580

36.5610, 47.3130,
18.1050

62.9710, 25.3070,
9.4270

30.2520, 52.6770,
20.0130

69.2800, 19.9430,
7.5190

28.1490, 54.4650,
20.6490

75.5890, 14.5790,
5.6110

81.8980, 9.2150,
3.7030

■ 88.7940, 3.5760,
1.2720

■ 95.1030, -1.7880,
-0.6360

■ 101.4120, -7.1520,
-2.5440

■ 108.3080,
-12.7910, -4.9750

Harmonies

Analogous

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



50.9150, 28.8810, 21.7530



49.7660, 36.3100, 13.7660



49.6650, 34.6160, 0.4080

Triad

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



49.7660, 36.3100, 13.7660



40.9350, -19.7110, -22.7430



44.1580, -47.1790, 1.5010

Complementary

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



49.7660, 36.3100, 13.7660



74.2340, -36.3100, -13.7660

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.



46.0670, -45.6650, -3.9130



49.7660, 36.3100, 13.7660



42.4530, -32.7330, -18.0210

Square

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



49.7660, 36.3100, 13.7660



46.9570, 9.5860, -19.5500



45.1890, -40.4370, -10.5570



51.7600, -16.2790, 14.1930

Rectangle

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



49.7660, 36.3100, 13.7660



49.4160, 30.5830, -9.1050



45.1890, -40.4370, -10.5570



45.1040, -47.0870, -0.1670

Sweetspot

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



49.7660, 36.3100, 13.7660



103.2900, 13.9830, 5.3990



56.0080, 15.8580, 32.0020



51.1860, 8.3440, 2.9680



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000

Same Dimension

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



49.7660, 36.3100, 13.7660



53.0460, 56.2530, 21.2850



66.5610, 28.9770, -2.0230



42.4950, 2.9800, 1.0600



33.3460, 64.2760, 24.5640



71.7750, 138.6840, 52.7320

Inverse Universe

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



49.7660, 36.3100, 13.7660



53.0460, 56.2530, 21.2850



57.4390, -28.9770, 2.0230



42.4950, 2.9800, 1.0600



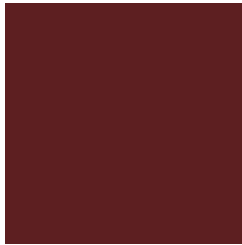
33.3460, 64.2760, 24.5640



71.7750, 138.6840, 52.7320

Previews

White Background



This preview shows how the YIQ color 49.7660, 36.3100, 13.7660 looks on a white background.

Color Contrast Check

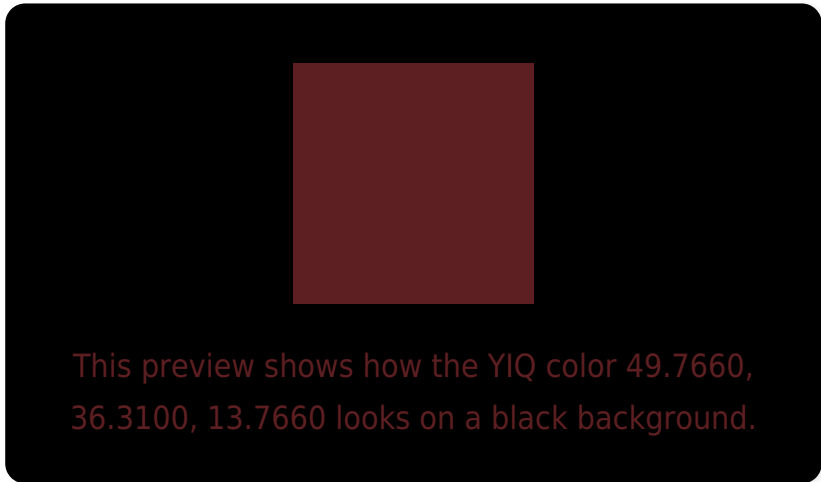
Large Text (above 18pt) WCAG AA ✓ Pass

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

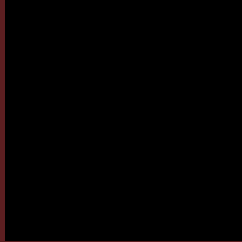
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.7660, 36.3100, 13.7660

Background



This preview shows how black text looks on a background with the YIQ color 49.7660, 36.3100, 13.7660.

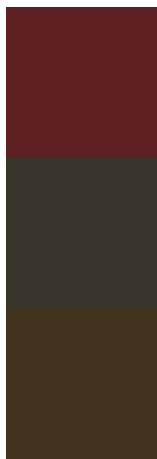


This preview shows how white text looks on a background with the YIQ color 49.7660, 36.3100,

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

49.7660, 36.3100, 13.7660

Protanopia

52.9420, 5.9150, -2.5730

Deuteranopia

52.7920, 15.0850, -3.5630



Tritanopia

49.7660, 36.3100, 13.7660

Trichromacy



Original Color

49.7660, 36.3100, 13.7660

Protanomaly

51.7910, 16.8260, 3.4340

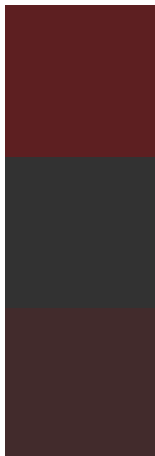
Deuteranomaly

51.7870, 22.6490, 2.5290

Tritanomaly

49.7660, 36.3100, 13.7660

Monochromacy



Original Color

49.7660, 36.3100, 13.7660

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.9910, 13.3870, 5.1870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.7660, 36.3100, 13.7660 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(93, 31, 33)` looks like.

```
.text, #text, p{  
    color:rgb(93, 31, 33)  
}
```

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(93, 31, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 31, 33) }
```

Border

The CSS property to change the border of an element to YIQ 49.7660, 36.3100, 13.7660 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(93, 31, 33) }
```


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

```
.border{ border-color:rgb(93, 31, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 31, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 31, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 31, 33);  
box-shadow:4px 4px 4px 4px rgb(93, 31, 33)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.7660, 36.3100, 13.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 31, 33) }
```

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

```
.background{ background-color: rgb(93, 31,  
33) }
```

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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