

Converting Colors

YIQ(49.8520, 33.1920, 15.2080)

Have a look what the booklet for
YIQ(49.8520, 33.1920, 15.2080)
contains.

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Color

**YIQ(49.8520, 33.1920,
15.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	5B1F27
RGB	91, 31, 39
RGB Percent	36%, 12%, 15%
CMY	0.6430, 0.8785, 0.8469
CMYK	0.00, 0.66, 0.57, 0.64
HSL	352°, 49%, 24%
HSV	352°, 66%, 36%
XYZ	5.1742, 3.3514, 2.2964
YIQ	49.8520, 33.1920, 15.2080

Conversions

Conversions Part 2

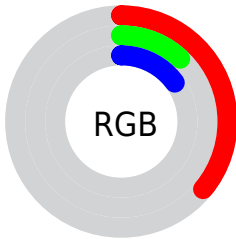
Format	Color
RYB	91, 31, 39
Decimal	5971751
CIELab	21.40, 28.29, 9.22
CIElCh	21, 29.758, 18.058
Yxy	3.3514, 0.4781, 0.3097
Android (android.graphics.Color)	4284161831 (0xFF5B1F27)
YUV	49.8520, -5.3500, 36.0868
Hunter-Lab	18.3069, 18.4134, 5.3775

Details

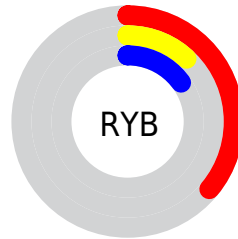
The YIQ color **49.8520, 33.1920, 15.2080** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **72.1480, -33.1920, -15.2080**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.4180, 37.4100, 15.8580**, and **13.1560, 26.2240, 9.3280** is the 20% darker color. If you saturate the color by 10%, you get **43.6570, 38.2350, 17.4270**, and if you desaturate by 10%, it is **56.0470, 28.1490, 12.9890**.

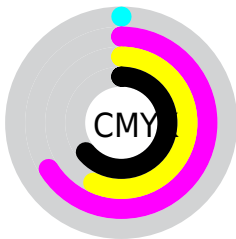
Distribution



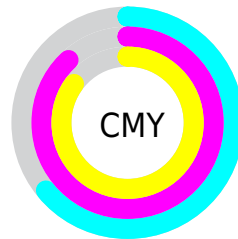
- Red (36%)
- Green (12%)
- Blue (15%)



- Red (36%)
- Yellow (12%)
- Blue (15%)



- Cyan (0%)
- Magenta (66%)
- Yellow (57%)
- Black (64%)



- Cyan (64%)
- Magenta (88%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.8520, 33.1920, 15.2080 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 49.8520, 33.1920, 15.2080 by changing the saturation by 10% instead.

■ 49.8520, 33.1920,
15.2080

■ 49.8520, 33.1920,
15.2080

■ 255.0000, -0.0000,
-0.0000

■ 25.1230, 30.9910,
16.5510

■ 98.7170, 38.0060,
16.0700

■ 13.1560, 26.2240,
9.3280

■ 124.2010, 39.5190,
16.1830

■ 0.0000, 0.0000,
0.0000

■ 150.9840, 41.6280,
16.5080

■ 177.8810, 43.4160,
17.1440

■ 204.2830, 42.2240,
16.7200

■ 223.9110, 25.5360,

10.7840

244.1260, 8.5730,
4.3250

49.8520, 33.1920,
15.2080

49.8520, 33.1920,
15.2080

43.6570, 38.2350,
17.4270

56.0470, 28.1490,
12.9890

37.4620, 43.2780,
19.6460

62.2420, 23.1060,
10.7700

31.2670, 48.3210,
21.8650

68.4370, 18.0630,
8.5510

28.5770, 50.3840,
23.0240

74.6320, 13.0200,
6.3320

80.7130, 8.2980,
3.8020

■ 87.4950, 2.9800,
1.0600

■ 93.6900, -2.0630,
-1.1590

■ 99.8850, -7.1060,
-3.3780

■ 106.0800,
-12.1490, -5.5970

Harmonies

Analogous

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



51.1640, 23.7460, 21.2020



49.8520, 33.1920, 15.2080



49.5880, 33.5150, 3.8430

Triad

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



49.8520, 33.1920, 15.2080



43.7900, -8.9370, -19.7610



43.5880, -45.5740, -0.0540

Complementary

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



49.8520, 33.1920, 15.2080



72.1480, -33.1920, -15.2080

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.



44.7960, -43.4640, -5.2560



49.8520, 33.1920, 15.2080



40.5950, -30.2570, -18.8410

Square

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



49.8520, 33.1920, 15.2080



46.9900, 13.9870, -16.7090



43.6900, -37.5940, -12.5220



49.5310, -23.0640, 10.5040

Rectangle

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



49.8520, 33.1920, 15.2080



49.3500, 30.9490, -4.7230



43.6900, -37.5940, -12.5220



44.5340, -45.4820, -1.7220

Sweetspot

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



49.8520, 33.1920, 15.2080



101.2190, 12.7450, 5.8090



53.0890, 11.1360, 29.4720



49.3000, 8.0230, 3.2790



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



49.8520, 33.1920, 15.2080



53.8760, 50.9800, 23.2360



61.2670, 29.9850, 1.7370



42.6090, 2.6590, 1.3710



34.6000, 60.7450, 27.9850



74.5110, 130.9800, 60.1960

Inverse Universe

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



49.8520, 33.1920, 15.2080



53.8760, 50.9800, 23.2360



60.7330, -29.9850, -1.7370



42.6090, 2.6590, 1.3710



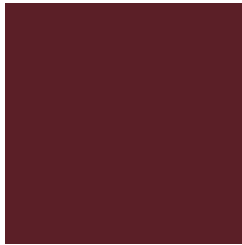
34.6000, 60.7450, 27.9850



74.5110, 130.9800, 60.1960

Previews

White Background



This preview shows how the YIQ color 49.8520, 33.1920, 15.2080 looks on a white background.

Color Contrast Check

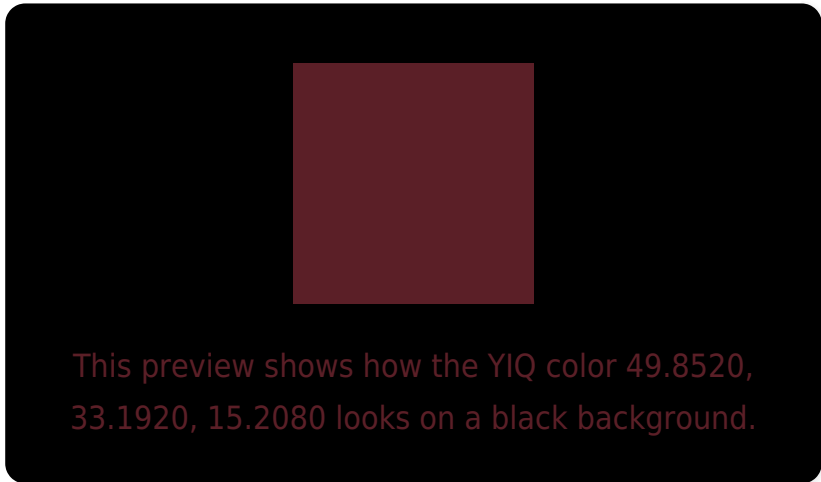
Large Text (above 18pt) WCAG AA ✓ Pass

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

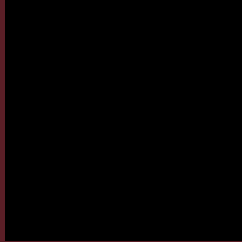
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.8520, 33.1920, 15.2080

Background



This preview shows how black text looks on a background with the YIQ color 49.8520, 33.1920, 15.2080.



This preview shows how white text looks on a background with the YIQ color 49.8520, 33.1920,

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

49.8520, 33.1920, 15.2080

Protanopia

52.2560, 2.1550, -0.5090

Deuteranopia

52.2910, 12.2420, -1.5980



Tritanopia

49.8690, 34.5220, 13.1300

Trichromacy



Original Color

49.8520, 33.1920, 15.2080

Protanomaly

50.9910, 13.3870, 5.1870

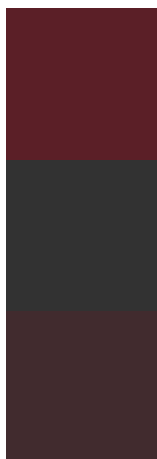
Deuteranomaly

51.2860, 19.8060, 4.4940

Tritanomaly

50.0970, 33.8800, 13.7520

Monochromacy



Original Color

49.8520, 33.1920, 15.2080

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.9200, 12.1490, 5.5970

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.8520, 33.1920, 15.2080 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(91, 31, 39)` looks like.

```
.text, #text, p{  
    color:rgb(91, 31, 39)  
}
```

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(91, 31, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 31, 39) }
```

Border

The CSS property to change the border of an element to YIQ 49.8520, 33.1920, 15.2080 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(91, 31, 39) }
```


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

```
.border{ border-color:rgb(91, 31, 39) }
```

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

Here you see how a box with a 4 pixel rgb(91, 31, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 31, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 31, 39);  
box-shadow:4px 4px 4px 4px rgb(91, 31, 39)  
}
```

Background

The CSS property to change the background color of an element to YIQ 49.8520, 33.1920, 15.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 31, 39) }
```

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

```
.background{ background-color: rgb(91, 31,  
39) }
```

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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