

Converting Colors

YIQ(31.9710, 34.4750, 19.4910)

Have a look what the booklet for
YIQ(31.9710, 34.4750, 19.4910)
contains.

YIQ(31.9710, 34.4750, 19.4910)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(31.9710, 34.4750,
19.4910)**

Conversions

Conversions Part 1

Format	Color
Hex	4D0A1B
RGB	77, 10, 27
RGB Percent	30%, 4%, 11%
CMY	0.6979, 0.9609, 0.8940
CMYK	0.00, 0.87, 0.65, 0.70
HSL	345°, 77%, 17%
HSV	345°, 87%, 30%
XYZ	3.3705, 1.8753, 1.2232
YIQ	31.9710, 34.4750, 19.4910

Conversions

Conversions Part 2

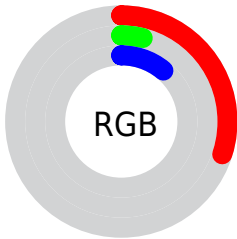
Format	Color
R_{YB}	77, 10, 27
Decimal	5048859
CIE _{Lab}	14.82, 31.43, 8.34
CIE _{LCh}	15, 32.517, 14.868
Yxy	1.8753, 0.5210, 0.2899
Android (android.graphics.Color)	4283238939 (0xFF4D0A1B)
YUV	31.9710, -2.4507, 39.4904
Hunter-Lab	13.6943, 19.9682, 4.2903

Details

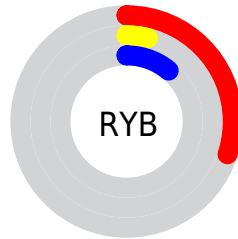
The YIQ color **31.9710, 34.4750, 19.4910** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **55.0290, -34.4750, -19.4910**, and the grayscale version is **32.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **82.0700, 38.5100, 17.9500**, and **5.9800, 11.9200, 4.2400** is the 20% darker color. If you saturate the color by 10%, you get **26.5910, 38.6010, 21.8090**, and if you desaturate by 10%, it is **37.3510, 30.3490, 17.1730**.

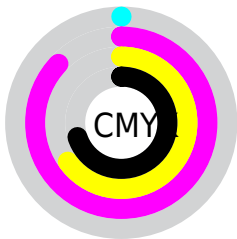
Distribution



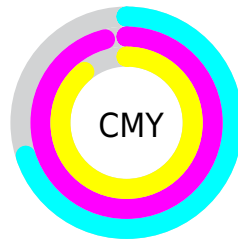
- Red (30%)
- Green (4%)
- Blue (11%)



- Red (30%)
- Yellow (4%)
- Blue (11%)



- Cyan (0%)
- Magenta (87%)
- Yellow (65%)
- Black (70%)



- Cyan (70%)
- Magenta (96%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.9710, 34.4750, 19.4910 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 31.9710, 34.4750, 19.4910 by changing the saturation by 10% instead.

■ 31.9710, 34.4750,
19.4910

■ 31.9710, 34.4750,
19.4910

■ 249.6030, 2.7960,
4.3960

■ 15.8470, 31.5880,
11.2360

■ 82.0700, 38.5100,
17.9500

■ 5.9800, 11.9200,
4.2400

■ 107.1520, 41.2150,
18.4870

■ 0.0000, 0.0000,
0.0000


■ 133.0490, 43.0030,
19.1230


■ 159.9460, 44.7910,
19.7590


■ 187.4300, 46.3040,
19.8720


■ 209.6460, 36.7680,


16.4800


 229.8610, 19.8050,
10.0210


 31.9710, 34.4750,
19.4910


 31.9710, 34.4750,
19.4910


 26.5910, 38.6010,
21.8090


 37.3510, 30.3490,
17.1730

 25.3030, 39.4720,
22.5440

 42.1440, 26.4980,
15.3780

 47.4100, 22.6930,
12.7490

 52.7900, 18.5670,
10.4310

 57.5830, 14.7160,
8.6360

■ 62.9630, 10.5900,
6.3180

■ 68.2290, 6.7850,
3.6890

■ 73.6090, 2.6590,
1.3710

■ 78.4020, -1.1920,
-0.4240

Harmonies

Analogous

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



34.8590, 23.2870, 24.0150



31.9710, 34.4750, 19.4910



33.5560, 36.5410, 4.0690

Triad

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



31.9710, 34.4750, 19.4910



28.8180, -6.1400, -20.8920



34.5890, -38.1470, 3.0130

Complementary

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



31.9710, 34.4750, 19.4910



55.0290, -34.4750, -19.4910

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.



35.4550, -35.0740, -3.1220



31.9710, 34.4750, 19.4910



30.3250, -20.6290, -17.1170

Square

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



31.9710, 34.4750, 19.4910



34.5430, 11.0520, -13.0760



33.0610, -28.3330, -9.6530



30.4800, -36.2220, 6.6740

Rectangle

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



31.9710, 34.4750, 19.4910



34.9740, 29.2520, -1.5000



33.0610, -28.3330, -9.6530



35.4210, -37.7340, 1.0340

Sweetspot

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



31.9710, 34.4750, 19.4910



82.1590, 12.9740, 7.1660



32.2890, 7.6970, 31.2250



40.2400, 8.2520, 4.6360



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.



31.9710, 34.4750, 19.4910



32.4510, 50.9790, 28.7630



39.4250, 35.5320, 5.8360



35.3100, 2.0630, 1.1590



33.4620, 52.4460, 29.7100



75.3820, 118.4620, 66.7980

Inverse Universe

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



31.9710, 34.4750, 19.4910



32.4510, 50.9790, 28.7630



47.5750, -35.5320, -5.8360



35.3100, 2.0630, 1.1590



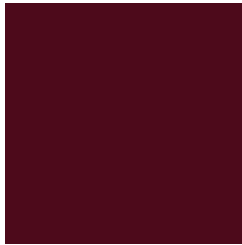
33.4620, 52.4460, 29.7100



75.3820, 118.4620, 66.7980

Previews

White Background



This preview shows how the YIQ color 31.9710, 34.4750, 19.4910 looks on a white background.

Color Contrast Check

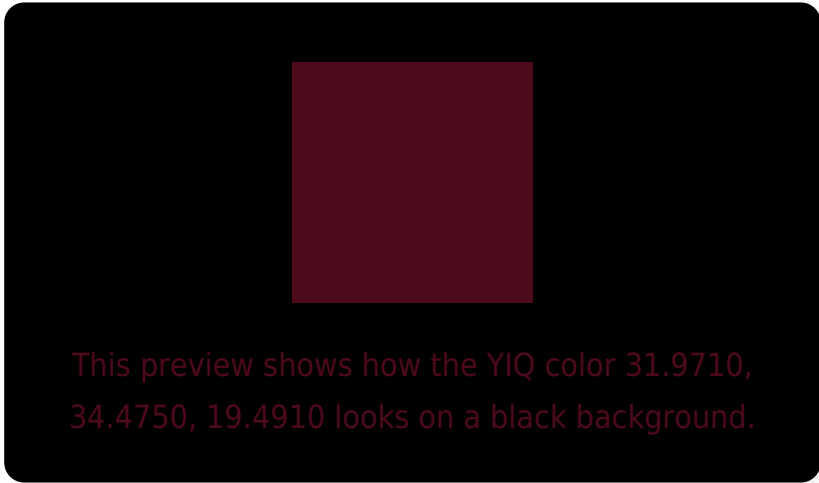
Large Text (above 18pt) WCAG AA ✓ Pass

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

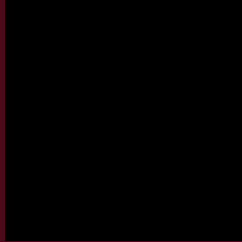
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.9710, 34.4750, 19.4910

Background



This preview shows how black text looks on a background with the YIQ color 31.9710, 34.4750, 19.4910.



This preview shows how white text looks on a background with the YIQ color 31.9710, 34.4750,

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

31.9710, 34.4750, 19.4910

Protanopia

40.1850, 0.9170, -0.0990

Deuteranopia

39.6930, 11.0500, -2.0220



Tritanopia

32.8370, 37.5480, 13.3560

Trichromacy



Original Color

31.9710, 34.4750, 19.4910

Protanomaly

37.1590, 12.9740, 7.1660

Deuteranomaly

36.9270, 19.4390, 5.6390

Tritanomaly

32.8200, 36.2180, 15.4340

Monochromacy



Original Color

31.9710, 34.4750, 19.4910

Achromatopsia

32.0000, -0.0000, -0.0000

Achromatomaly

31.8600, 12.3780, 6.9540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.9710, 34.4750, 19.4910 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(77, 10, 27)` looks like.

```
.text, #text, p{  
    color:rgb(77, 10, 27)  
}
```

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(77, 10, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 10, 27) }
```

Border

The CSS property to change the border of an element to YIQ 31.9710, 34.4750, 19.4910 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(77, 10, 27) }
```


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

```
.border{ border-color:rgb(77, 10, 27) }
```

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

Here you see how a box with a 4 pixel rgb(77, 10, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 10, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 10, 27);  
box-shadow:4px 4px 4px 4px rgb(77, 10, 27)  
}
```

Background

The CSS property to change the background color of an element to YIQ 31.9710, 34.4750, 19.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 10, 27) }
```

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

```
.background{ background-color: rgb(77, 10,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor