

Converting Colors

YIQ(31.4440, 26.4940, 37.4860)

Have a look what the booklet for
YIQ(31.4440, 26.4940, 37.4860)
contains.

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Color

**YIQ(31.4440, 26.4940,
37.4860)**

Conversions

Conversions Part 1

Format	Color
Hex	500042
RGB	80, 0, 66
RGB Percent	31%, 0%, 26%
CMY	0.6860, 1.0000, 0.7411
CMYK	0.00, 1.00, 0.18, 0.69
HSL	311°, 100%, 16%
HSV	311°, 100%, 31%
XYZ	4.2970, 2.1016, 5.3355
YIQ	31.4440, 26.4940, 37.4860

Conversions

Conversions Part 2

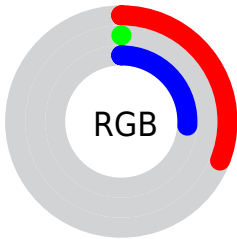
Format	Color
R_{YB}	80, 0, 66
Decimal	5242946
CIE _{Lab}	16.01, 40.14, -18.00
CIE _{LCh}	16, 43.989, 335.853
Yxy	2.1016, 0.3662, 0.1791
Android (android.graphics.Color)	4283433026 (0xFF500042)
YUV	31.4440, 17.0361, 42.5836
Hunter-Lab	14.4967, 27.5405, -11.6741

Details

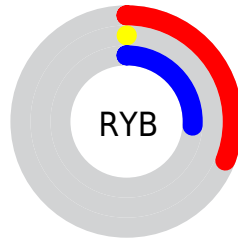
The YIQ color **31.4440, 26.4940, 37.4860** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **48.5560, -26.4940, -37.4860**, and the grayscale version is **31.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **85.3360, 26.6780, 34.1500**, and **12.1900, 11.6890, 13.9370** is the 20% darker color. If you saturate the color by 10%, you get **31.4440, 26.4940, 37.4860**, and if you desaturate by 10%, it is **36.2540, 23.9730, 33.6130**.

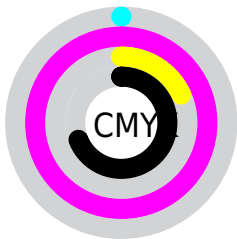
Distribution



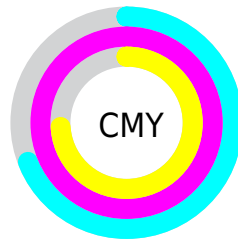
- Red (31%)
- Green (0%)
- Blue (26%)



- Red (31%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (69%)



- Cyan (69%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 31.4440, 26.4940, 37.4860 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 31.4440, 26.4940, 37.4860 by changing the saturation by 10% instead.

■ 31.4440, 26.4940,
37.4860

■ 31.4440, 26.4940,
37.4860

■ 249.1300, 2.7500,
5.2300

■ 21.4610, 18.6560,
25.3440

■ 85.3360, 26.6780,
34.1500

■ 12.1900, 11.6890,
13.9370

■ 111.6350, 27.2740,
34.3620

■ 0.0000, 0.0000,
0.0000

■ 137.6460, 28.7410,
35.3090

■ 164.6570, 30.2080,
36.2560

■ 192.3690, 31.0790,
36.9910

■ 215.1010, 20.0300,

33.4860

■ 232.1070, 10.7250,
20.3970

■ 31.4440, 26.4940,
37.4860

■ 36.2540, 23.9730,
33.6130

■ 41.1780, 21.1310,
30.0510

■ 45.9880, 18.6100,
26.1780

■ 50.9120, 15.7680,
22.6160

■ 55.7220, 13.2470,
18.7430

■ 60.5320, 10.7260,
14.8700

■ 65.4560, 7.8840,
11.3080

■ 70.2660, 5.3630,
7.4350

■ 75.1900, 2.5210,
3.8730

Harmonies

Analogous

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



39.9660, -10.6870, 22.9850



31.4440, 26.4940, 37.4860



31.4980, 43.5970, 30.3890

Triad

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



31.4440, 26.4940, 37.4860



37.5220, 15.5450, -11.9030



39.1880, -38.6960, -3.5600

Complementary

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



31.4440, 26.4940, 37.4860



48.5560, -26.4940, -37.4860

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.



35.6540, -28.7450, -13.2010



31.4440, 26.4940, 37.4860



30.5680, -8.4320, -23.4080

Square

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



31.4440, 26.4940, 37.4860



37.3660, 34.0200, 0.1960



31.1910, -17.5560, -23.2520



40.5220, -45.2080, 4.3280

Rectangle

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



31.4440, 26.4940, 37.4860



28.5060, 49.1460, 23.4340



31.1910, -17.5560, -23.2520



38.0480, -35.4860, -6.6700

Sweetspot

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



31.4440, 26.4940, 37.4860



85.5320, 10.7260, 14.8700



13.0070, -17.9320, 27.6360



41.8040, 6.7840, 9.2160



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000

Same Dimension

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



31.4440, 26.4940, 37.4860



41.1990, 34.9740, 49.0060



26.9980, 39.0130, 25.3570



38.5380, 1.4210, 1.7810



91.1420, 76.9610, 108.5850

Inverse Universe

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



31.4440, 26.4940, 37.4860



41.1990, 34.9740, 49.0060



53.0020, -39.0130, -25.3570



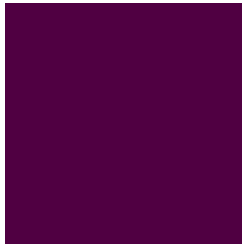
38.5380, 1.4210, 1.7810



91.1420, 76.9610, 108.5850

Previews

White Background



This preview shows how the YIQ color 31.4440, 26.4940, 37.4860 looks on a white background.

Color Contrast Check

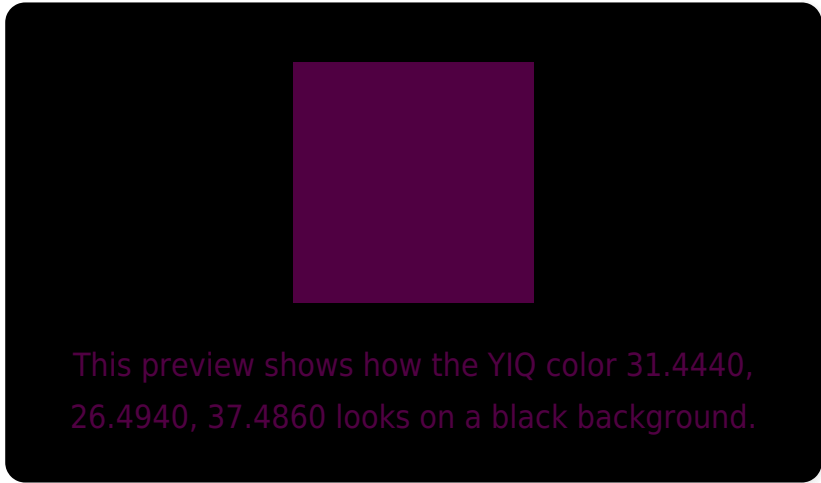
Large Text (above 18pt) WCAG AA ✓ Pass

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

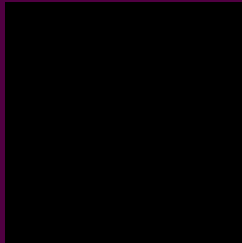
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 31.4440, 26.4940, 37.4860

Background



This preview shows how black text looks on a background with the YIQ color 31.4440, 26.4940, 37.4860.



This preview shows how white text looks on a background with the YIQ color 31.4440, 26.4940,

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

31.4440, 26.4940, 37.4860

Protanopia

35.5010, -40.7150, 5.5010

Deuteranopia

44.2580, -9.3540, 4.3260



Tritanopia

41.3630, 30.0750, 11.1230

Trichromacy



Original Color

31.4440, 26.4940, 37.4860

Protanomaly

33.7540, -16.1420, 17.2180

Deuteranomaly

39.4650, 3.6650, 16.1850

Tritanomaly

37.9750, 28.6520, 20.3960

Monochromacy



Original Color

31.4440, 26.4940, 37.4860

Achromatopsia

31.0000, -0.0000, -0.0000

Achromatomaly

31.4070, 9.5800, 13.6120

CSS Examples

Text

The CSS property to change the color of the text to YIQ 31.4440, 26.4940, 37.4860 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(80, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(80, 0, 66)  
}
```

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(80, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 0, 66) }
```

Border

The CSS property to change the border of an element to YIQ 31.4440, 26.4940, 37.4860 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(80, 0, 66) }
```

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

```
.border{ border-color:rgb(80, 0, 66) }
```

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

Here you see how a box with a 4 pixel rgb(80, 0, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 0, 66); -webkit-box-shadow:4px  
4px 4px 4px rgb(80, 0, 66); box-shadow:4px  
4px 4px 4px rgb(80, 0, 66) }
```

Background

The CSS property to change the background color of an element to YIQ 31.4440, 26.4940, 37.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 0, 66) }
```

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

```
.background{ background-color: rgb(80, 0,  
66) }
```

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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