

Converting Colors

YIQ(37.4960, 28.7430, 24.2550)

Have a look what the booklet for
YIQ(37.4960, 28.7430, 24.2550)
contains.

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Color

**YIQ(37.4960, 28.7430,
24.2550)**

Conversions

Conversions Part 1

Format	Color
Hex	500E2F
RGB	80, 14, 47
RGB Percent	31%, 5%, 18%
CMY	0.6861, 0.9452, 0.8156
CMYK	0.00, 0.83, 0.41, 0.69
HSL	330°, 70%, 18%
HSV	330°, 83%, 31%
XYZ	3.9823, 2.2262, 2.9115
YIQ	37.4960, 28.7430, 24.2550

Conversions

Conversions Part 2

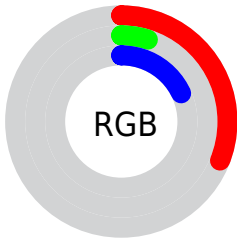
Format	Color
RYB	80, 14, 47
Decimal	5246511
CIELab	16.63, 33.01, -3.54
CIElCh	17, 33.195, 353.871
Yxy	2.2262, 0.4367, 0.2441
Android (android.graphics.Color)	4283436591 (0xFF500E2F)
YUV	37.4960, 4.6855, 37.2760
Hunter-Lab	14.9204, 21.5313, -1.1253

Details

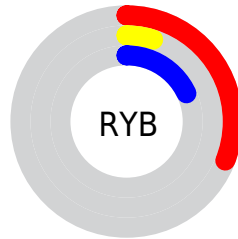
The YIQ color **37.4960, 28.7430, 24.2550** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **56.5040, -28.7430, -24.2550**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **87.6380, 31.2190, 23.4350**, and **9.6820, 18.7510, 7.0950** is the 20% darker color. If you saturate the color by 10%, you get **32.3440, 32.2270, 27.1950**, and if you desaturate by 10%, it is **42.6480, 25.2590, 21.3150**.

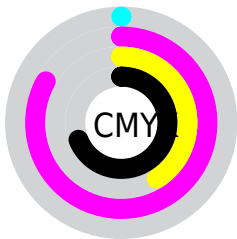
Distribution



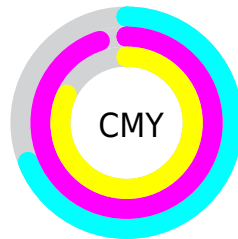
- Red (31%)
- Green (5%)
- Blue (18%)



- Red (31%)
- Yellow (5%)
- Blue (18%)



- Cyan (0%)
- Magenta (83%)
- Yellow (41%)
- Black (69%)



- Cyan (69%)
- Magenta (95%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 37.4960, 28.7430, 24.2550 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 37.4960, 28.7430, 24.2550 by changing the saturation by 10% instead.

37.4960, 28.7430,
24.2550

37.4960, 28.7430,
24.2550

252.6520, 1.1000,
2.0920

19.4090, 24.4340,
19.7460

87.6380, 31.2190,
23.4350

9.6820, 18.7510,
7.0950

112.8340, 33.6030,
24.2830

0.0000, 0.0000,
0.0000


139.1330, 34.1990,
24.4950


166.0300, 35.9870,
25.1310


193.7420, 36.8580,
25.8660


215.7730, 26.4050,


22.5730


 235.4010, 9.7170,
16.6370


 37.4960, 28.7430,
24.2550


 37.4960, 28.7430,
24.2550


 32.3440, 32.2270,
27.1950


 42.6480, 25.2590,
21.3150

 28.4800, 34.8400,
29.4000

 47.8000, 21.7750,
18.3750

 52.9520, 18.2910,
15.4350

 58.1040, 14.8070,
12.4950

 63.2560, 11.3230,
9.5550

■ 68.4080, 7.8390,
6.6150

■ 73.5600, 4.3550,
3.6750

■ 78.7120, 0.8710,
0.7350

■ 83.8640, -2.6130,
-2.2050

Harmonies

Analogous

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



41.6770, 9.1200, 21.9520



37.4960, 28.7430, 24.2550



36.6460, 36.7680, 16.4800

Triad

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



37.4960, 28.7430, 24.2550



36.8800, 8.4850, -16.1150



38.3560, -39.1090, -1.5810

Complementary

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



37.4960, 28.7430, 24.2550



56.5040, -28.7430, -24.2550

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.



37.3640, -33.5600, -8.5360



37.4960, 28.7430, 24.2550



29.7890, -16.3640, -22.8280

Square

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



37.4960, 28.7430, 24.2550



39.0500, 22.9260, -8.0020



33.9270, -25.2600, -15.7880



37.1480, -41.2190, 3.6210

Rectangle

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



37.4960, 28.7430, 24.2550



37.6810, 37.6870, 5.3270



33.9270, -25.2600, -15.7880



38.3730, -37.7790, -3.6590

Sweetspot

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



37.4960, 28.7430, 24.2550



87.5550, 11.9190, 9.7670



31.0920, -2.1140, 27.3100



43.1090, 7.2430, 6.4030



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.



37.4960, 28.7430, 24.2550



38.0240, 45.2920, 38.2200



33.8480, 39.0150, 14.3030



38.4240, 1.7420, 1.4700



37.3230, 45.8880, 38.4320



82.5920, 101.0360, 85.2600

Inverse Universe

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



37.4960, 28.7430, 24.2550



38.0240, 45.2920, 38.2200



60.1520, -39.0150, -14.3030



38.4240, 1.7420, 1.4700



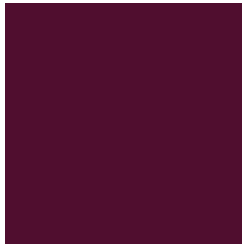
37.3230, 45.8880, 38.4320



82.5920, 101.0360, 85.2600

Previews

White Background



This preview shows how the YIQ color 37.4960, 28.7430, 24.2550 looks on a white background.

Color Contrast Check

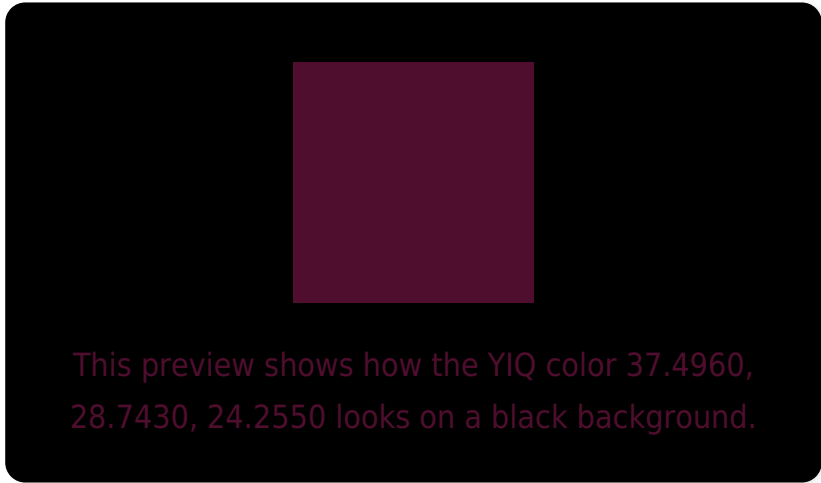
Large Text (above 18pt) WCAG AA ✓ Pass

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

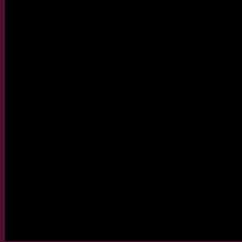
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.4960, 28.7430, 24.2550

Background



This preview shows how black text looks on a background with the YIQ color 37.4960, 28.7430, 24.2550.



This preview shows how white text looks on a background with the YIQ color 37.4960, 28.7430,

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

37.4960, 28.7430, 24.2550

Protanopia

43.4150, -11.2340, 5.3580

Deuteranopia

43.7230, 2.3380, 1.6820



Tritanopia

39.1570, 33.6510, 12.3950

Trichromacy



Original Color

37.4960, 28.7430, 24.2550

Protanomaly

40.9440, 3.5740, 12.3260

Deuteranomaly

41.5550, 11.9190, 9.7670

Tritanomaly

38.4220, 31.5870, 16.7630

Monochromacy



Original Color

37.4960, 28.7430, 24.2550

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.5440, 10.4520, 8.8200

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.4960, 28.7430, 24.2550 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, 14, 47)` looks like.

```
.text, #text, p{  
    color:rgb(80, 14, 47)  
}
```

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, 14, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 14, 47) }
```

Border

The CSS property to change the border of an element to YIQ 37.4960, 28.7430, 24.2550 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, 14, 47) }
```


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

```
.border{ border-color:rgb(80, 14, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 14, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 14, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 14, 47);  
box-shadow:4px 4px 4px 4px rgb(80, 14, 47)  
}
```

Background

The CSS property to change the background color of an element to YIQ 37.4960, 28.7430, 24.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 14, 47) }
```

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

```
.background{ background-color: rgb(80, 14,  
47) }
```

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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