

Converting Colors

YIQ(37.4820, 32.4990, 44.2990)

Have a look what the booklet for
YIQ(37.4820, 32.4990, 44.2990)
contains.

YIQ(37.4820, 32.4990, 44.2990)	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(37.4820, 32.4990,
44.2990)**

Conversions

Conversions Part 1

Format	Color
Hex	60004D
RGB	96, 0, 77
RGB Percent	38%, 0%, 30%
CMY	0.6233, 1.0000, 0.6980
CMYK	0.00, 1.00, 0.20, 0.62
HSL	312°, 100%, 19%
HSV	312°, 100%, 38%
XYZ	6.1715, 3.0267, 7.2834
YIQ	37.4820, 32.4990, 44.2990

Conversions

Conversions Part 2

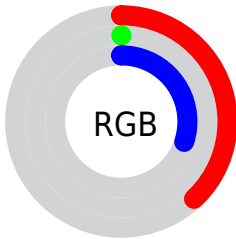
Format	Color
RYB	96, 0, 77
Decimal	6291533
CIELab	20.15, 45.14, -18.86
CIELCh	20, 48.925, 337.327
Yxy	3.0267, 0.3744, 0.1836
Android (android.graphics.Color)	4284481613 (0xFF60004D)
YUV	37.4820, 19.4824, 51.3203
Hunter-Lab	17.3974, 32.8748, -12.6435

Details

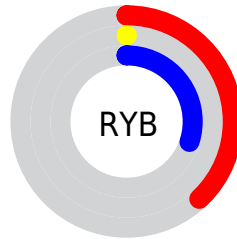
The YIQ color **37.4820, 32.4990, 44.2990** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **58.5180, -32.4990, -44.2990**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **95.0210, 32.1790, 39.0830**, and **18.1140, 18.0150, 20.4390** is the 20% darker color. If you saturate the color by 10%, you get **37.4820, 32.4990, 44.2990**, and if you desaturate by 10%, it is **43.5800, 29.1070, 39.6910**.

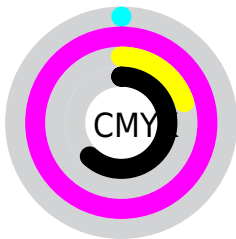
Distribution



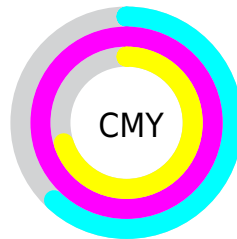
- Red (38%)
- Green (0%)
- Blue (30%)



- Red (38%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (62%)





- Cyan (62%)
- Magenta (100%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 37.4820, 32.4990, 44.2990 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 37.4820, 32.4990, 44.2990 by changing the saturation by 10% instead.


 37.4820, 32.4990,
44.2990


 37.4820, 32.4990,
44.2990


 253.8260, 0.5500,
1.0460


 27.0860, 24.3860,
31.6340

 95.0210, 32.1790,
39.0830


 18.1140, 18.0150,
20.4390


 121.6190, 33.3710,
39.5070

 2.0650, 1.3750,
2.6150

 148.3310, 34.2420,
40.2420

 0.0000, 0.0000,
0.0000

 176.0430, 35.1130,
40.9770

 201.0640, 30.6200,
39.8040

 219.7800, 16.5000,

31.3800

■ 236.8030, 8.5250,
16.2130

■ 37.4820, 32.4990,
44.2990

■ 43.5800, 29.1070,
39.6910

■ 49.0910, 25.9900,
35.6060

■ 55.1890, 22.5980,
30.9980

■ 60.7000, 19.4810,
26.9130

■ 66.7980, 16.0890,
22.3050

■ 72.7820, 13.0180,
17.3860

■ 78.2930, 9.9010,
13.3010

■ 84.3910, 6.5090,
8.6930

■ 89.9020, 3.3920,
4.6080

Harmonies

Analogous

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



49.1990, -9.7250, 27.5790



37.4820, 32.4990, 44.2990



37.3790, 51.4820, 36.1700

Triad

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



37.4820, 32.4990, 44.2990



45.1970, 17.8380, -14.9140



47.4690, -46.8570, -4.3370

Complementary

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



37.4820, 32.4990, 44.2990



58.5180, -32.4990, -44.2990

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.



43.4790, -35.6220, -15.2220



37.4820, 32.4990, 44.2990



37.0360, -9.9900, -28.2140

Square

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



37.4820, 32.4990, 44.2990



45.6500, 38.9720, -1.4440



37.8590, -22.5530, -26.3050



48.4440, -53.7360, 4.6960

Rectangle

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



37.4820, 32.4990, 44.2990



33.7460, 57.3980, 28.0700



37.8590, -22.5530, -26.3050



46.2150, -43.3260, -7.7580

Sweetspot

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



37.4820, 32.4990, 44.2990



101.8960, 12.6970, 17.6970



16.3260, -20.0880, 33.6720



49.9290, 7.9300, 10.4740



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



37.4820, 32.4990, 44.2990



48.7750, 42.4000, 57.6000



32.1240, 47.5860, 29.6820



45.5380, 1.4210, 1.7810



43.7480, 37.8620, 51.7340



93.6480, 81.4080, 110.5920

Inverse Universe

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



37.4820, 32.4990, 44.2990



48.7750, 42.4000, 57.6000



63.8760, -47.5860, -29.6820



45.5380, 1.4210, 1.7810



43.7480, 37.8620, 51.7340



93.6480, 81.4080, 110.5920

Previews

White Background



This preview shows how the YIQ color 37.4820, 32.4990, 44.2990 looks on a white background.

Color Contrast Check

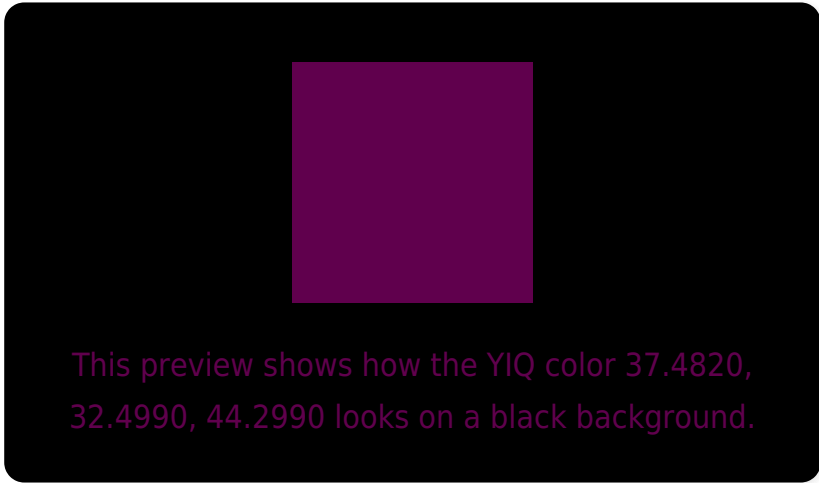
Large Text (above 18pt) WCAG AA ✓ Pass

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

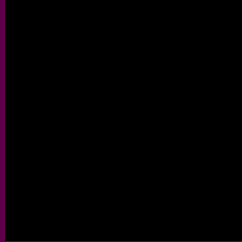
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 37.4820, 32.4990, 44.2990

Background



This preview shows how black text looks on a background with the YIQ color 37.4820, 32.4990, 44.2990.



This preview shows how white text looks on a background with the YIQ color 37.4820, 32.4990,

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

37.4820, 32.4990, 44.2990

Protanopia

42.2490, -48.6930, 6.9150

Deuteranopia

52.7850, -9.4000, 5.1600



Tritanopia

48.7660, 36.3100, 13.7660

Trichromacy



Original Color

37.4820, 32.4990, 44.2990

Protanomaly

40.3070, -19.0770, 20.8510

Deuteranomaly

47.2420, 5.9110, 19.5350

Tritanomaly

44.4320, 34.7950, 24.7070

Monochromacy



Original Color

37.4820, 32.4990, 44.2990

Achromatopsia

38.0000, -0.0000, -0.0000

Achromatomaly

37.6570, 11.8720, 16.1280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 37.4820, 32.4990, 44.2990 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(96, 0, 77)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 77)  
}
```

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(96, 0, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 77) }
```

Border

The CSS property to change the border of an element to YIQ 37.4820, 32.4990, 44.2990 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(96, 0, 77) }
```


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

```
.border{ border-color:rgb(96, 0, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 0, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 77); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 0, 77); box-shadow:4px  
4px 4px 4px rgb(96, 0, 77) }
```

Background

The CSS property to change the background color of an element to YIQ 37.4820, 32.4990, 44.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 77) }
```

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

```
.background{ background-color: rgb(96, 0,  
77) }
```

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