

Converting Colors

YIQ(42.7490, 0.5900, 33.3740)

Have a look what the booklet for
YIQ(42.7490, 0.5900, 33.3740)
contains.

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Color

**YIQ(42.7490, 0.5900,
33.3740)**

Conversions

Conversions Part 1

Format	Color
Hex	401563
RGB	64, 21, 99
RGB Percent	25%, 8%, 39%
CMY	0.7489, 0.9177, 0.6118
CMYK	0.35, 0.79, 0.00, 0.61
HSL	273°, 65%, 24%
HSV	273°, 79%, 39%
XYZ	4.6361, 2.5275, 12.0442
YIQ	42.7490, 0.5900, 33.3740

Conversions

Conversions Part 2

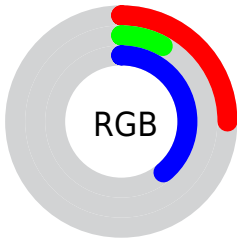
Format	Color
R_{YB}	64, 21, 99
Decimal	4199779
CIE _{Lab}	18.04, 35.95, -37.31
CIE _{LCh}	18, 51.815, 313.936
Yxy	2.5275, 0.2414, 0.1316
Android (android.graphics.Color)	4282389859 (0xFF401563)
YUV	42.7490, 27.7317, 18.6371
Hunter-Lab	15.8982, 24.2311, -33.7883

Details

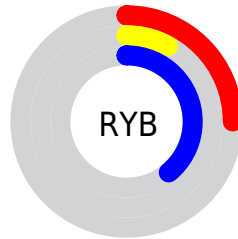
The YIQ color **42.7490, 0.5900, 33.3740** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **77.2510, -0.5900, -33.3740**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **92.1020, 1.0940, 35.2540**, and **11.3100, -5.9640, 19.9880** is the 20% darker color. If you saturate the color by 10%, you get **35.6830, 0.9560, 37.7560**, and if you desaturate by 10%, it is **49.8150, 0.2240, 28.9920**.

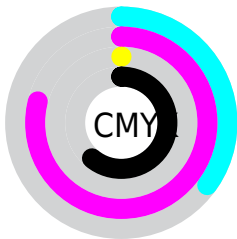
Distribution



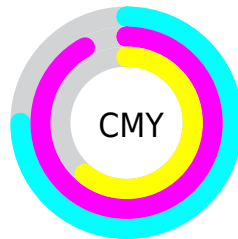
- Red (25%)
- Green (8%)
- Blue (39%)



- Red (25%)
- Yellow (8%)
- Blue (39%)



- Cyan (35%)
- Magenta (79%)
- Yellow (0%)
- Black (61%)



- Cyan (75%)
- Magenta (92%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.7490, 0.5900, 33.3740 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 42.7490, 0.5900, 33.3740 by changing the saturation by 10% instead.

■ 42.7490, 0.5900,
33.3740

■ 42.7490, 0.5900,
33.3740

■ 255.0000, -0.0000,
-0.0000

■ 20.2110, -0.8310,
31.5930

■ 92.1020, 1.0940,
35.2540

■ 11.3100, -5.9640,
19.9880

■ 117.2270, 2.2400,
36.5120

■ 4.4800, -9.8590,
7.9730

■ 143.7540, 2.1940,
37.3460


■ 0.0000, 0.0000,
0.0000

■ 170.6940, 2.4230,
38.7030

■ 197.6080, 5.5410,
37.2610


■ 222.1280, 15.4000,


29.2880


 239.1510, 7.4250,
14.1210


 42.7490, 0.5900,
33.3740


 42.7490, 0.5900,
33.3740

 35.6830, 0.9560,
37.7560


 49.8150, 0.2240,
28.9920


 28.3180, 0.7260,
41.9260

 57.1800, 0.4540,
24.8220

 27.7310, 1.0010,
42.4490

 64.2460, 0.0880,
20.4400

 71.6110, 0.3180,
16.2700

 78.0900, 0.2270,
12.4110

■ 85.4550, 0.4570,
8.2410

■ 92.5210, 0.0910,
3.8590

■ 99.8860, 0.3210,
-0.3110

■ 106.9520, -0.0450,
-4.6930

Harmonies

Analogous

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



39.2800, -49.9780, 13.6860



42.7490, 0.5900, 33.3740



36.8260, 37.2220, 41.3020

Triad

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



42.7490, 0.5900, 33.3740



42.0730, 33.2870, -3.0410



41.0000, -35.5310, -11.3630

Complementary

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



42.7490, 0.5900, 33.3740



77.2510, -0.5900, -33.3740

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.



35.9670, -22.7370, -22.9690



42.7490, 0.5900, 33.3740



40.1360, 10.6400, -16.6240

Square

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



42.7490, 0.5900, 33.3740



31.3400, 55.2450, 17.5250



31.6980, -14.8500, -28.2420



44.9900, -46.7660, -0.4780

Rectangle

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



42.7490, 0.5900, 33.3740



36.0690, 49.4190, 35.0110



31.6980, -14.8500, -28.2420



39.5180, -31.3580, -15.4060

Sweetspot

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



42.7490, 0.5900, 33.3740



105.6170, 0.1810, 13.2450



50.4370, -34.6630, 5.9530



50.1560, -0.1390, 8.0290



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.



42.7490, 0.5900, 33.3740



39.9410, 0.7700, 52.1460



52.7580, 22.7340, 39.5500



45.0540, -0.0920, 1.6680



31.3060, 1.0000, 47.9760



66.8280, 1.6320, 102.6240

Inverse Universe

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



48.3120, 35.2530, 27.4210



48.7480, 55.0570, 42.9690



67.2420, -22.7340, -39.5500



45.4240, 1.7420, 1.4700



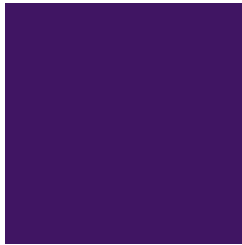
39.1880, 50.7020, 39.2940



83.9580, 108.6930, 84.1570

Previews

White Background



This preview shows how the YIQ color 42.7490, 0.5900, 33.3740 looks on a white background.

Color Contrast Check

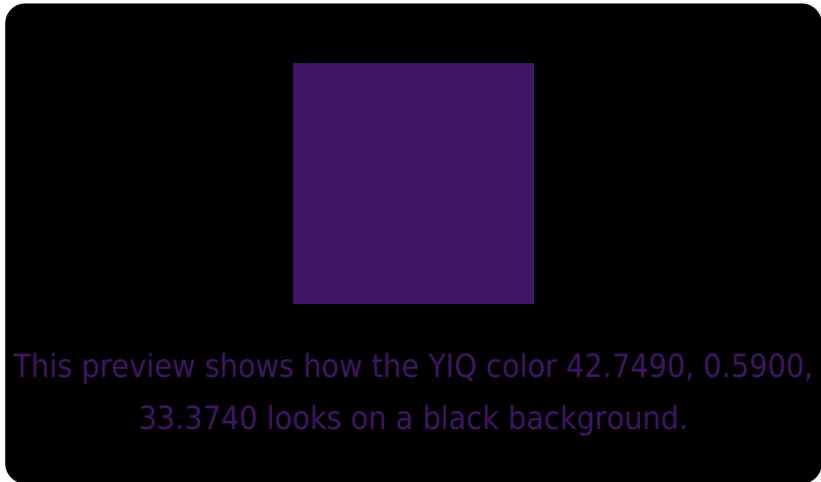
Large Text (above 18pt) WCAG AA ✓ Pass

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

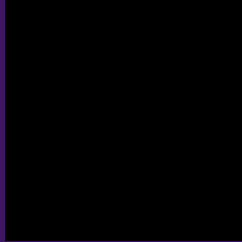
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.7490, 0.5900, 33.3740

Background



This preview shows how black text looks on a background with the YIQ color 42.7490, 0.5900, 33.3740.



This preview shows how white text looks on a background with the YIQ color 42.7490, 0.5900,

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

42.7490, 0.5900, 33.3740

Deuteranopia

36.7090, -38.6050, 0.2990

Tritanopia

46.0440, 5.8680, 3.7880

Trichromacy



Original Color

42.7490, 0.5900, 33.3740

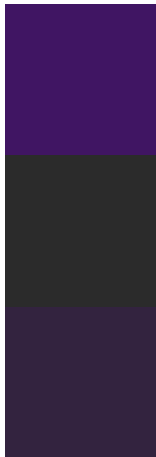
Deuteranomaly

39.1010, -24.6690, 12.0590

Tritanomaly

44.7100, 4.3530, 14.7290

Monochromacy



Original Color

42.7490, 0.5900, 33.3740

Achromatopsia

43.0000, -0.0000, -0.0000

Achromatomaly

42.9760, 0.5480, 12.1000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.7490, 0.5900, 33.3740 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(64, 21, 99)` looks like.

```
.text, #text, p{  
    color:rgb(64, 21, 99)  
}
```

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(64, 21, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 21, 99) }
```

Border

The CSS property to change the border of an element to YIQ 42.7490, 0.5900, 33.3740 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(64, 21, 99) }
```

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

```
.border{ border-color:rgb(64, 21, 99) }
```

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

Here you see how a box with a 4 pixel rgb(64, 21, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 21, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 21, 99);  
box-shadow:4px 4px 4px 4px rgb(64, 21, 99)  
}
```


Background

The CSS property to change the background color of an element to YIQ 42.7490, 0.5900, 33.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 21, 99) }
```

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

```
.background{ background-color: rgb(64, 21,  
99) }
```

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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