

Converting Colors

YIQ(38.7990, 76.2420, 27.9700)

Have a look what the booklet for
YIQ(38.7990, 76.2420, 27.9700)
contains.

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Color

**YIQ(38.7990, 76.2420,
27.9700)**

Conversions

Conversions Part 1

Format	Color
Hex	810002
RGB	129, 0, 2
RGB Percent	51%, 0%, 1%
CMY	0.4938, 0.9999, 0.9919
CMYK	0.00, 1.00, 0.98, 0.49
HSL	359°, 100%, 25%
HSV	359°, 100%, 51%
XYZ	9.0766, 4.6778, 0.4842
YIQ	38.7990, 76.2420, 27.9700

Conversions

Conversions Part 2

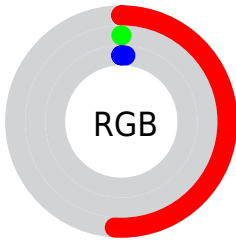
Format	Color
R_{YB}	129, 0, 2
Decimal	8454146
CIE Lab	25.80, 48.38, 37.55
CIE LCh	26, 61.247, 37.816
Yxy	4.6778, 0.6375, 0.3285
Android (android.graphics.Color)	4286644226 (0xFF810002)
YUV	38.7990, -18.1419, 79.1063
Hunter-Lab	21.6283, 37.0602, 13.8126

Details

The YIQ color **38.7990, 76.2420, 27.9700** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **90.2010, -76.2420, -27.9700**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **101.6110, 79.4070, 20.1670**, and **20.9300, 41.7200, 14.8400** is the 20% darker color. If you saturate the color by 10%, you get **38.7990, 76.2420, 27.9700**, and if you desaturate by 10%, it is **47.9120, 68.4940, 25.2140**.

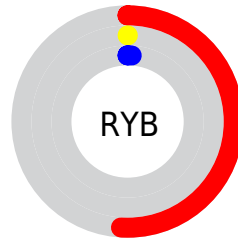
Distribution



Red (51%)

Green (0%)

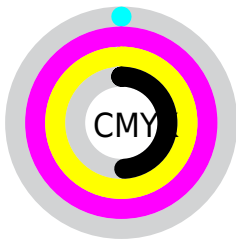
Blue (1%)



Red (51%)

Yellow (0%)

Blue (1%)

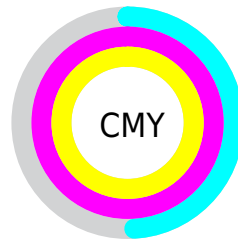


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (49%)



Cyan (49%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the YIQ color 38.7990, 76.2420, 27.9700 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 38.7990, 76.2420, 27.9700 by changing the saturation by 10% instead.


 38.7990, 76.2420,
27.9700


 38.7990, 76.2420,
27.9700


 252.0360, 8.3460,
-8.0860


 29.6010, 59.0040,
20.9880

 101.6110, 79.4070,
20.1670


 20.9300, 41.7200,
14.8400


 129.3510, 83.0750,
19.7710

 12.9710, 25.3070,
9.4270

 156.6180, 86.6970,
20.2090

 0.0000, 0.0000,
0.0000

 176.8010, 72.7600,
13.9760

 195.6140, 56.9890,
7.9410

 215.7150, 40.3470,

1.1710

■ 235.9300, 23.3840,
-5.2880

■ 38.7990, 76.2420,
27.9700

■ 47.9120, 68.4940,
25.2140

■ 56.9110, 61.0670,
22.1470

■ 66.0240, 53.3190,
19.3910

■ 75.1370, 45.5710,
16.6350

■ 84.2500, 37.8230,
13.8790

■ 92.6620, 30.6710,
11.3350

■ 101.7750, 22.9230,
8.5790

■ 110.8880, 15.1750,
5.8230

■ 119.8870, 7.7480,
2.7560

Harmonies

Analogous

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



47.0760, 65.8770, 45.1170



38.7990, 76.2420, 27.9700



57.2120, 49.0130, -1.6990

Triad

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



38.7990, 76.2420, 27.9700



47.7070, -28.2370, -33.4290



55.2380, -67.3550, 14.7330

Complementary

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



38.7990, 76.2420, 27.9700



90.2010, -76.2420, -27.9700

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.



61.0110, -68.4540, 7.1140



38.7990, 76.2420, 27.9700



54.6950, -45.1580, -18.6140

Square

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



38.7990, 76.2420, 27.9700



42.8510, -20.0750, -38.1790



59.8250, -59.6030, -4.6190



60.2130, -12.3400, 36.4280

Rectangle

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



38.7990, 76.2420, 27.9700



57.6670, 31.1340, -13.5860



59.8250, -59.6030, -4.6190



58.2870, -69.0510, 12.4290

Sweetspot

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



38.7990, 76.2420, 27.9700



133.0640, 29.4790, 10.9110



52.6790, 34.2830, 67.0430



62.9700, 17.8800, 6.3600



212.0000, -0.0000, -0.0000



84.0000, -0.0000, -0.0000

Same Dimension

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



38.7990, 76.2420, 27.9700



50.5740, 99.1650, 36.5490



74.9650, 59.8340, -5.0780



59.0930, 4.1720, 1.4840



38.5000, 75.6460, 27.7580



0.0000, 0.0000, 0.0000

Inverse Universe

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



38.7990, 76.2420, 27.9700



50.5740, 99.1650, 36.5490



54.0350, -59.8340, 5.0780



59.0930, 4.1720, 1.4840



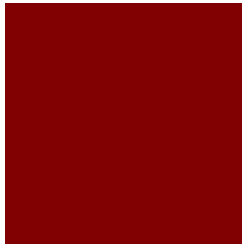
38.5000, 75.6460, 27.7580



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the YIQ color 38.7990, 76.2420, 27.9700 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

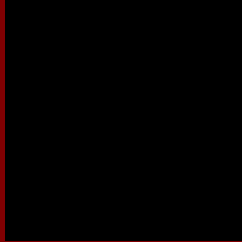
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.7990, 76.2420, 27.9700

Background



This preview shows how black text looks on a background with the YIQ color 38.7990, 76.2420, 27.9700.



This preview shows how white text looks on a background with the YIQ color 38.7990, 76.2420,

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

38.7990, 76.2420, 27.9700

Protanopia

61.9200, 20.1760, -13.2320

Deuteranopia

60.9120, 31.8220, -15.0420



Tritanopia

45.3160, 72.9880, 20.8600

Trichromacy



Original Color

38.7990, 76.2420, 27.9700

Protanomaly

53.2420, 40.3010, 2.0050

Deuteranomaly

52.6080, 47.9580, 0.9020

Tritanomaly

43.0820, 73.7670, 23.2630

Monochromacy



Original Color

38.7990, 76.2420, 27.9700

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

39.1670, 27.6910, 10.2750

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.7990, 76.2420, 27.9700 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(129, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(129, 0, 2)  
}
```

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(129, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 0, 2) }
```

Border

The CSS property to change the border of an element to YIQ 38.7990, 76.2420, 27.9700 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(129, 0, 2) }
```


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

```
.border{ border-color:rgb(129, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(129, 0, 2); box-shadow:4px  
4px 4px 4px rgb(129, 0, 2) }
```

Background

The CSS property to change the background color of an element to YIQ 38.7990, 76.2420, 27.9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 0, 2) }
```

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

```
.background{ background-color: rgb(129, 0,  
2) }
```

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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