

Converting Colors

YIQ(98.7900, 71.2930, 13.0290)

Have a look what the booklet for
YIQ(98.7900, 71.2930, 13.0290)
contains.

YIQ(98.7900, 71.2930, 13.0290)	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(98.7900, 71.2930,
13.0290)**

Conversions

Conversions Part 1

Format	Color
Hex	AF472A
RGB	175, 71, 42
RGB Percent	69%, 28%, 16%
CMY	0.3135, 0.7217, 0.8350
CMYK	0.00, 0.59, 0.76, 0.31
HSL	13°, 61%, 43%
HSV	13°, 76%, 69%
XYZ	20.3621, 13.7894, 3.7862
YIQ	98.7900, 71.2930, 13.0290

Conversions

Conversions Part 2

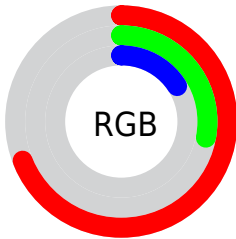
Format	Color
R_{YB}	175, 79, 42
Decimal	11487018
CIE Lab	43.93, 40.86, 38.05
CIE LCh	44, 55.833, 42.956
Yxy	13.7894, 0.5367, 0.3635
Android (android.graphics.Color)	4289677098 (0xFFAF472A)
YUV	98.7900, -27.9975, 66.8362
Hunter-Lab	37.1340, 32.8942, 19.9486

Details

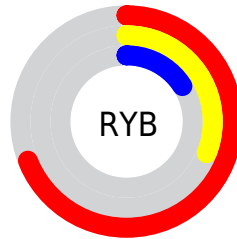
The YIQ color **98.7900, 71.2930, 13.0290** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **118.2100, -71.2930, -13.0290**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **152.9110, 78.2620, 13.3820**, and **44.6630, 64.4610, 15.7010** is the 20% darker color. If you saturate the color by 10%, you get **88.6340, 80.6000, 15.0640**, and if you desaturate by 10%, it is **109.0600, 61.6650, 11.3050**.

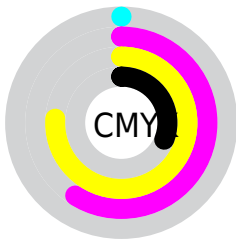
Distribution



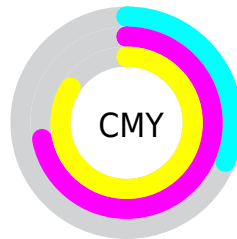
- Red (69%)
- Green (28%)
- Blue (16%)



- Red (69%)
- Yellow (31%)
- Blue (16%)



- Cyan (0%)
- Magenta (59%)
- Yellow (76%)
- Black (31%)



- Cyan (31%)
- Magenta (72%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 98.7900, 71.2930, 13.0290 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 98.7900, 71.2930, 13.0290 by changing the saturation by 10% instead.

■ 98.7900, 71.2930,
13.0290

■ 98.7900, 71.2930,
13.0290

255.0000, -0.0000,
-0.0000

■ 72.0500, 67.6250,
13.4250

■ 152.9110, 78.2620,
13.3820

■ 44.6630, 64.4610,
15.7010

■ 177.2910, 74.1360,
11.0640

■ 26.0130, 51.8520,
18.4440

■ 196.1040, 58.3650,
5.0290

■ 17.6410, 35.1640,
12.5080

■ 215.6180, 41.9980,
-1.2180

■ 8.4860, 16.3670,
6.2470

■ 235.7190, 25.3560,
-7.9880

■ 0.0000, 0.0000,
0.0000

■ 251.2380, 10.5930,

-10.2630

254.5440, 1.2840,
-1.2440

■ 98.7900, 71.2930,
13.0290

■ 98.7900, 71.2930,
13.0290

■ 88.6340, 80.6000,
15.0640

■ 109.0600, 61.6650,
11.3050

■ 78.9510, 89.9530,
16.2650

■ 118.6290, 52.6330,
9.7930

■ 74.6310, 93.8500,
17.2260

■ 128.8990, 43.0050,
8.0690

■ 139.0550, 33.6980,
6.0340

■ 148.7380, 24.3450,
4.8330

■ 158.8940, 15.0380,
2.7980

■ 169.1640, 5.4100,
1.0740

■ 179.3200, -3.8970,
-0.9610

■ 189.0030,
-13.2500, -2.1620

Harmonies

Analogous

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



97.7030, 68.1250, 37.4130



98.7900, 71.2930, 13.0290



97.9570, 62.3120, -16.9520

Triad

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



98.7900, 71.2930, 13.0290



80.7510, -57.9000, -41.0040



90.7640, -74.8280, 12.5000

Complementary

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



98.7900, 71.2930, 13.0290



118.2100, -71.2930, -13.0290

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.



90.0940, -93.8530, -0.6450



98.7900, 71.2930, 13.0290



87.3970, -73.8580, -27.1220

Square

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



98.7900, 71.2930, 13.0290



88.0060, -10.4460, -41.9820



91.1250, -87.1110, -12.7030



106.9110, 0.3140, 38.3780

Rectangle

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



98.7900, 71.2930, 13.0290



96.6400, 43.7910, -28.2170



91.1250, -87.1110, -12.7030



85.8540, -92.9370, 4.7830

Sweetspot

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



98.7900, 71.2930, 13.0290



197.0050, 27.9670, 5.2710



93.6230, 45.8840, 60.5400



96.6770, 17.1470, 3.1230



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



98.7900, 71.2930, 13.0290



108.3080, 110.9970, 20.3490



137.5320, 53.1430, -21.4890



81.8650, 4.8140, 0.8620



64.2210, 80.3250, 14.5410



9.8120, 12.3330, 2.2610

Inverse Universe

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



118.2100, -71.2930, -13.0290



138.6920, -110.9970, -20.3490



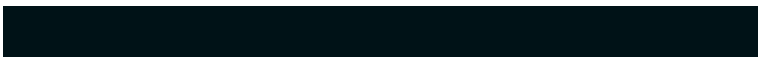
79.4680, -53.1430, 21.4890



83.1350, -4.8140, -0.8620



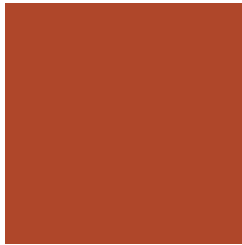
86.3660, -80.6000, -15.0640



13.1880, -12.3330, -2.2610

Previews

White Background



This preview shows how the YIQ color 98.7900, 71.2930, 13.0290 looks on a white background.

Color Contrast Check

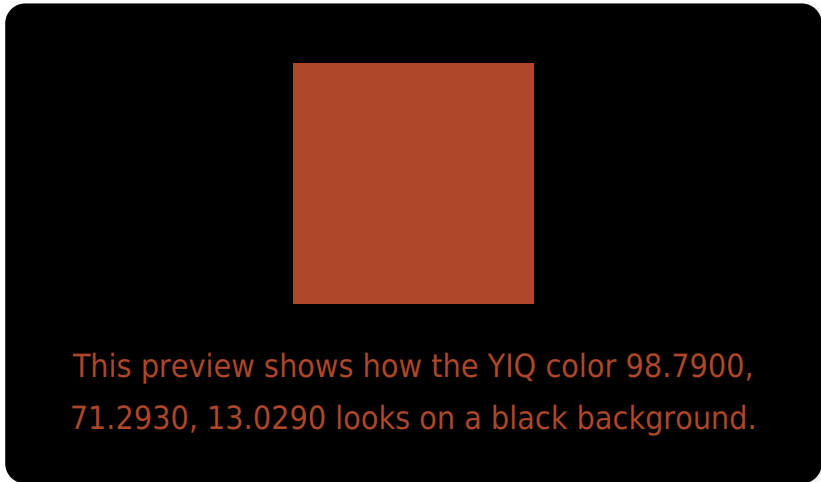
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

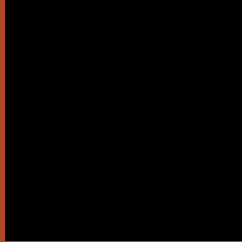
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 98.7900, 71.2930, 13.0290

Background



This preview shows how black text looks on a background with the YIQ color 98.7900, 71.2930, 13.0290.



This preview shows how white text looks on a background with the YIQ color 98.7900, 71.2930,

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

98.7900, 71.2930, 13.0290

Protanopia

102.2470, 23.5690, -14.1510

Deuteranopia

101.2720, 39.6160, -13.1200



Tritanopia

100.1610, 63.3590, 24.6630

Trichromacy



Original Color

98.7900, 71.2930, 13.0290

Protanomaly

101.0260, 40.6690, -4.6670

Deuteranomaly

100.5280, 50.9390, -3.5650

Tritanomaly

99.4940, 66.6150, 20.7190

Monochromacy



Original Color

98.7900, 71.2930, 13.0290

Achromatopsia

99.0000, -0.0000, 0.0000

Achromatomaly

99.1080, 26.1790, 4.6350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 98.7900, 71.2930, 13.0290 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(175, 71, 42)` looks like.

```
.text, #text, p{  
    color:rgb(175, 71, 42)  
}
```

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(175, 71, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 71, 42) }
```

Border

The CSS property to change the border of an element to YIQ 98.7900, 71.2930, 13.0290 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(175, 71, 42) }
```


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

```
.border{ border-color:rgb(175, 71, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 71, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 71, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 71, 42);  
box-shadow:4px 4px 4px 4px rgb(175, 71,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 98.7900, 71.2930, 13.0290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 71, 42) }
```

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

```
.background{ background-color: rgb(175, 71,  
42) }
```

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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