

Converting Colors

YIQ(87.9880, 79.3630, 9.9470)

Have a look what the booklet for
YIQ(87.9880, 79.3630, 9.9470)
contains.

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Color

**YIQ(87.9880, 79.3630,
9.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3C11
RGB	170, 60, 17
RGB Percent	67%, 24%, 7%
CMY	0.3331, 0.7649, 0.9330
CMYK	0.00, 0.65, 0.90, 0.33
HSL	17°, 82%, 37%
HSV	17°, 90%, 67%
XYZ	18.3058, 11.8203, 1.8507
YIQ	87.9880, 79.3630, 9.9470

Conversions

Conversions Part 2

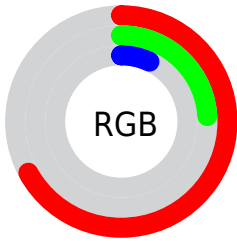
Format	Color
RYB	170, 77, 17
Decimal	11156497
CIELab	40.93, 43.36, 46.73
CIElCh	41, 63.752, 47.140
Yxy	11.8203, 0.5725, 0.3697
Android (android.graphics.Color)	4289346577 (0xFFAA3C11)
YUV	87.9880, -34.9971, 71.9245
Hunter-Lab	34.3807, 34.8751, 20.8750

Details

The YIQ color **87.9880, 79.3630, 9.9470** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **99.0120, -79.3630, -9.9470**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **142.6360, 86.2860, 11.1340**, and **32.8900, 65.5600, 23.3200** is the 20% darker color. If you saturate the color by 10%, you get **79.0060, 88.1200, 10.9360**, and if you desaturate by 10%, it is **96.9700, 70.6060, 8.9580**.

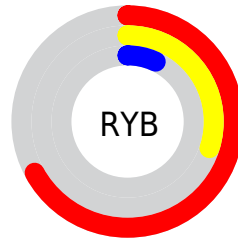
Distribution



Red (67%)

Green (24%)

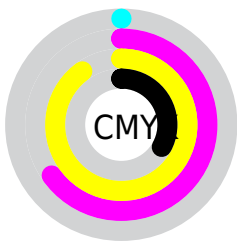
Blue (7%)



Red (67%)

Yellow (30%)

Blue (7%)

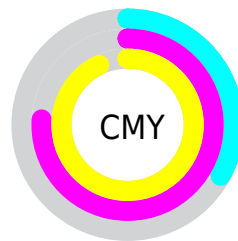


Cyan (0%)

Magenta (65%)

Yellow (90%)

Black (33%)



Cyan (33%)


Magenta (76%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.9880, 79.3630, 9.9470 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 87.9880, 79.3630, 9.9470 by changing the saturation by 10% instead.


 87.9880, 79.3630,
9.9470


 87.9880, 79.3630,
9.9470


254.7720, 0.6420,
-0.6220


 61.2310, 74.3650,
12.4210


 142.6360, 86.2860,
11.1340


 32.8900, 65.5600,
23.3200


 168.0980, 84.8650,
9.3530


 23.9200, 47.6800,
16.9600

 186.9110, 69.0940,
3.3180

 16.3740, 31.5420,
12.0700

 206.3110, 53.0480,
-3.2400

 3.2890, 6.5560,
2.3320

 225.8250, 36.6810,
-9.4870

 0.0000, 0.0000,
0.0000

 246.5130, 19.7640,

-16.7800

251.4660, 9.9510,
-9.6410

87.9880, 79.3630,
9.9470

87.9880, 79.3630,
9.9470

79.0060, 88.1200,
10.9360

96.9700, 70.6060,
8.9580

105.9520, 61.8490,
7.9690

115.5210, 52.8170,
6.4570

124.5030, 44.0600,
5.4680

133.4850, 35.3030,
4.4790

■ 142.4670, 26.5460,
3.4900

■ 152.0360, 17.5140,
1.9780

■ 161.0180, 8.7570,
0.9890

■ 170.0000, -0.0000,
0.0000

Harmonies

Analogous

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



81.0900, 80.4570, 45.2010



87.9880, 79.3630, 9.9470



91.1460, 57.4060, -16.1460

Triad

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



87.9880, 79.3630, 9.9470



77.3600, -55.2410, -39.6330



77.1630, -89.1330, 12.9390

Complementary

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



87.9880, 79.3630, 9.9470



99.0120, -79.3630, -9.9470

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.



86.6690, -93.8540, 4.8820



87.9880, 79.3630, 9.9470



84.2170, -73.1710, -23.0510

Square

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



87.9880, 79.3630, 9.9470



67.6560, -33.3680, -56.0880



88.4010, -87.7080, -7.3880



98.0740, 7.4650, 46.4490

Rectangle

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



87.9880, 79.3630, 9.9470



89.5190, 36.8220, -28.5700



88.4010, -87.7080, -7.3880



81.1410, -92.0670, 11.0450

Sweetspot

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



87.9880, 79.3630, 9.9470



189.9190, 31.0850, 3.8290



75.5150, 55.2360, 67.2680



92.6340, 18.7060, 2.4020



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



87.9880, 79.3630, 9.9470



102.7720, 115.2620, 14.6380



131.4260, 59.0130, -28.7550



79.5660, 4.2180, 0.6500



68.3190, 76.9330, 9.9330



9.5020, 10.2700, 1.1020

Inverse Universe

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



99.0120, -79.3630, -9.9470



119.2280, -115.2620, -14.6380



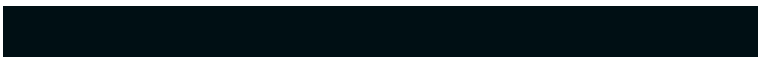
55.5740, -59.0130, 28.7550



80.4340, -4.2180, -0.6500



79.0940, -76.6580, -9.4100



11.0850, -10.5450, -1.6250

Previews

White Background



This preview shows how the YIQ color 87.9880, 79.3630, 9.9470 looks on a white background.

Color Contrast Check

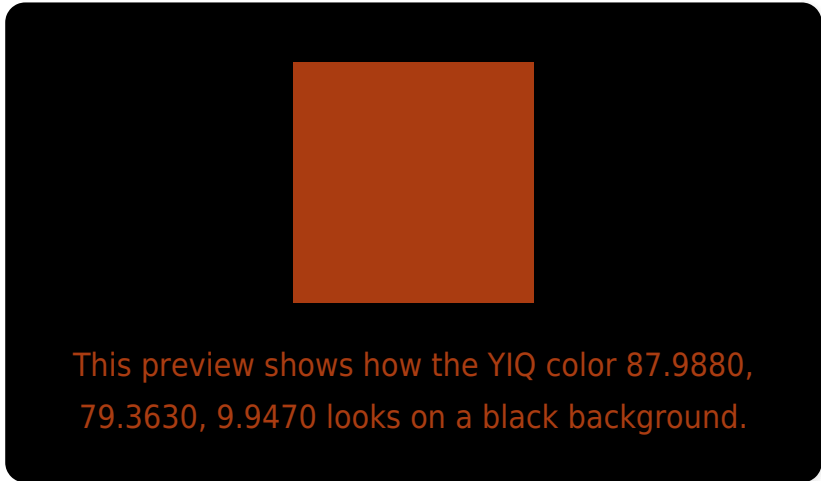
Large Text (above 18pt) WCAG AA ✓ Pass

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

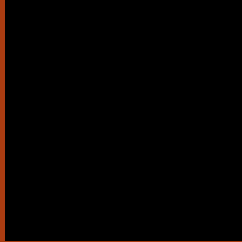
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.9880, 79.3630, 9.9470

Background



This preview shows how black text looks on a background with the YIQ color 87.9880, 79.3630, 9.9470.



This preview shows how white text looks on a background with the YIQ color 87.9880, 79.3630,

9.9470.

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

87.9880, 79.3630, 9.9470

Protanopia

93.1950, 29.3470, -19.7490

Deuteranopia

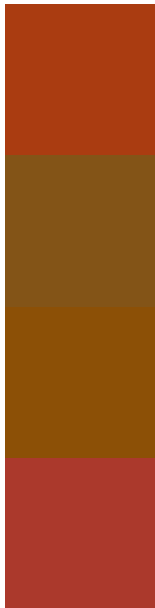
90.7810, 48.0080, -22.0400



Tritanopia

90.7270, 67.5770, 25.3130

Trichromacy



Original Color

87.9880, 79.3630, 9.9470

Protanomaly

91.0990, 47.5930, -9.0070

Deuteranomaly

89.5040, 59.5140, -10.2940

Tritanomaly

89.6040, 72.1170, 20.1250

Monochromacy



Original Color

87.9880, 79.3630, 9.9470

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

88.1360, 28.9760, 3.5040

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.9880, 79.3630, 9.9470 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(170, 60, 17)` looks like.

```
.text, #text, p{  
    color:rgb(170, 60, 17)  
}
```

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(170, 60, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 60, 17) }
```

Border

The CSS property to change the border of an element to YIQ 87.9880, 79.3630, 9.9470 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(170, 60, 17) }
```


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

```
.border{ border-color:rgb(170, 60, 17) }
```

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

Here you see how a box with a 4 pixel rgb(170, 60, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 60, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 60, 17);  
box-shadow:4px 4px 4px 4px rgb(170, 60,  
17) }
```

Background

The CSS property to change the background color of an element to YIQ 87.9880, 79.3630, 9.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 60, 17) }
```

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

```
.background{ background-color: rgb(170, 60,  
17) }
```

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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