

Converting Colors

YIQ(82.9870, 108.6080, 47.1360)

Have a look what the booklet for
YIQ(82.9870, 108.6080, 47.1360)
contains.

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Color

**YIQ(82.9870, 108.6080,
47.1360)**

Conversions

Conversions Part 1

Format	Color
Hex	D8172B
RGB	216, 23, 43
RGB Percent	85%, 9%, 17%
CMY	0.1525, 0.9100, 0.8310
CMYK	0.00, 0.89, 0.80, 0.15
HSL	354°, 81%, 47%
HSV	354°, 89%, 85%
XYZ	29.0972, 15.4020, 3.7350
YIQ	82.9870, 108.6080, 47.1360

Conversions

Conversions Part 2

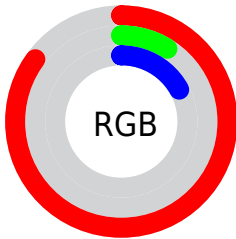
Format	Color
RYB	216, 23, 43
Decimal	14161707
CIELab	46.18, 68.97, 42.22
CIELCh	46, 80.864, 31.476
Yxy	15.4020, 0.6032, 0.3193
Android (android.graphics.Color)	4292351787 (0xFFD8172B)
YUV	82.9870, -19.7136, 116.6524
Hunter-Lab	39.2454, 63.6635, 21.8291

Details

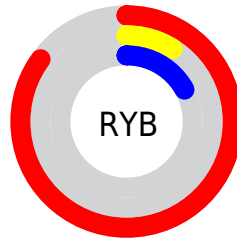
The YIQ color **82.9870, 108.6080, 47.1360** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **156.0130, -108.6080, -47.1360**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **142.1560, 97.2860, 32.0540**, and **45.4480, 90.5920, 32.2240** is the 20% darker color. If you saturate the color by 10%, you get **67.9070, 120.7570, 52.7330**, and if you desaturate by 10%, it is **98.0670, 96.4590, 41.5390**.

Distribution



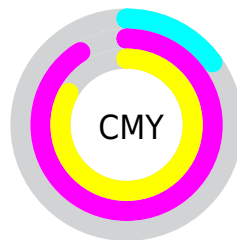
- Red (85%)
- Green (9%)
- Blue (17%)



- Red (85%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (89%)
- Yellow (80%)
- Black (15%)





- Cyan (15%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 82.9870, 108.6080, 47.1360 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 82.9870, 108.6080, 47.1360 by changing the saturation by 10% instead.


 82.9870, 108.6080,
47.1360


 82.9870, 108.6080,
47.1360


255.0000, -0.0000,
-0.0000


 57.5240, 102.6020,
45.8500


 142.2700, 96.9650,
32.3650


 45.4480, 90.5920,
32.2240


 162.6160, 81.0110,
24.1390


 35.8800, 71.5200,
25.4400


 182.6030, 64.6900,
17.0580

 26.8390, 52.4020,
19.4900

 202.7040, 48.0480,
10.2880

 17.9830, 34.2010,
13.4410

 223.3920, 31.1310,
2.9950

 6.2790, 12.5160,
4.4520

 243.6070, 14.1680,

 0.0000, 0.0000,

-3.4640

0.0000

254.5440, 1.2840,
-1.2440

■ 82.9870, 108.6080,
47.1360

■ 82.9870, 108.6080,
47.1360

■ 67.9070, 120.7570,
52.7330

■ 98.0670, 96.4590,
41.5390

■ 67.2060, 121.3530,
52.9450

■ 112.6740, 84.2640,
36.7760

■ 127.7540, 72.1150,
31.1790

■ 142.3610, 59.9200,
26.4160

■ 157.4410, 47.7710,
20.8190

■ 172.5210, 35.6220,
15.2220

■ 187.1280, 23.4270,
10.4590

■ 202.2080, 11.2780,
4.8620

■ 216.7010, -0.5960,
-0.2120

Harmonies

Analogous

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



78.8040, 97.3230, 80.9630



82.9870, 108.6080, 47.1360



100.5030, 87.6180, -1.9980

Triad

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



82.9870, 108.6080, 47.1360



82.2890, -48.4520, -58.0520



97.4240, -111.7370, 15.1030

Complementary

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



82.9870, 108.6080, 47.1360



156.0130, -108.6080, -47.1360

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.



103.7040, -110.1300, 2.4940



82.9870, 108.6080, 47.1360



92.4860, -73.0310, -36.6070

Square

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



82.9870, 108.6080, 47.1360



91.0160, 0.7890, -52.8670



100.8250, -95.1340, -15.9820



108.0210, -37.7420, 45.2500

Rectangle

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



82.9870, 108.6080, 47.1360



103.5500, 61.9000, -20.5000



100.8250, -95.1340, -15.9820



100.8320, -113.0660, 11.6540

Sweetspot

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



82.9870, 108.6080, 47.1360



207.4290, 38.8770, 16.8050



96.1310, 39.9630, 96.2750



99.7150, 23.1520, 9.9360



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



82.9870, 108.6080, 47.1360



79.3230, 143.3130, 62.4570



124.1450, 94.6780, 2.2140



99.5170, 5.9140, 2.9540



53.1810, 96.1380, 41.8500



13.4270, 24.0230, 10.6710

Inverse Universe

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



82.9870, 108.6080, 47.1360



79.3230, 143.3130, 62.4570



114.8550, -94.6780, -2.2140



99.5170, 5.9140, 2.9540



53.1810, 96.1380, 41.8500



13.4270, 24.0230, 10.6710

Previews

White Background



This preview shows how the YIQ color 82.9870, 108.6080, 47.1360 looks on a white background.

Color Contrast Check

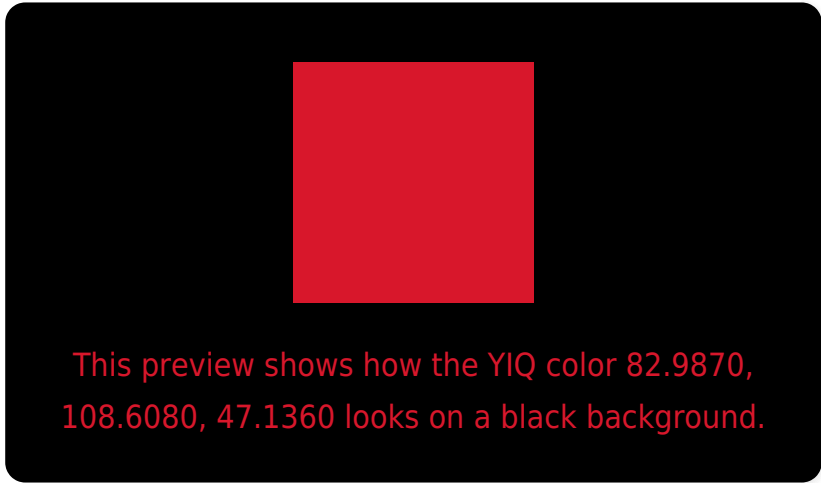
Large Text (above 18pt) WCAG AA ✓ Pass

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 82.9870, 108.6080, 47.1360

Background



This preview shows how black text looks on a background with the YIQ color 82.9870, 108.6080, 47.1360.



This preview shows how white text looks on a background with the YIQ color 82.9870, 108.6080,

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

82.9870, 108.6080, 47.1360

Protanopia

108.8600, 20.4050, -11.8750

Deuteranopia

106.2740, 45.3020, -17.0500



Tritanopia

83.0550, 113.9280, 38.8240

Trichromacy



Original Color

82.9870, 108.6080, 47.1360

Protanomaly

99.6290, 52.6330, 9.7930

Deuteranomaly

97.7200, 68.3140, 6.4420

Tritanomaly

83.2660, 111.9560, 41.5240

Monochromacy



Original Color

82.9870, 108.6080, 47.1360

Achromatopsia

83.0000, -0.0000, 0.0000

Achromatomaly

82.7280, 39.4730, 17.0170

CSS Examples

Text

The CSS property to change the color of the text to YIQ 82.9870, 108.6080, 47.1360 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(216, 23, 43)` looks like.

```
.text, #text, p{  
    color:rgb(216, 23, 43)  
}
```

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(216, 23, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 23, 43) }
```

Border

The CSS property to change the border of an element to YIQ 82.9870, 108.6080, 47.1360 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(216, 23, 43) }
```


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

```
.border{ border-color:rgb(216, 23, 43) }
```

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

Here you see how a box with a 4 pixel rgb(216, 23, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 23, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 23, 43);  
box-shadow:4px 4px 4px 4px rgb(216, 23,  
43) }
```

Background

The CSS property to change the background color of an element to YIQ 82.9870, 108.6080, 47.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 23, 43) }
```

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

```
.background{ background-color: rgb(216, 23,  
43) }
```

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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