

Converting Colors

YIQ(72.8670, 109.0660, 49.8500)

Have a look what the booklet for
YIQ(72.8670, 109.0660, 49.8500)
contains.

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Color

**YIQ(72.8670, 109.0660,
49.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	D00B25
RGB	208, 11, 37
RGB Percent	82%, 4%, 15%
CMY	0.1838, 0.9570, 0.8545
CMYK	0.00, 0.95, 0.82, 0.18
HSL	352°, 90%, 43%
HSV	352°, 95%, 82%
XYZ	26.5015, 13.7995, 3.0257
YIQ	72.8670, 109.0660, 49.8500

Conversions

Conversions Part 2

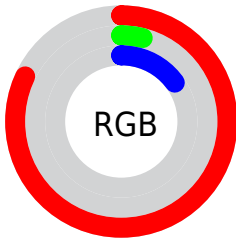
Format	Color
RYB	208, 11, 37
Decimal	13634341
CIELab	43.94, 68.27, 42.77
CIElCh	44, 80.562, 32.069
Yxy	13.7995, 0.6117, 0.3185
Android (android.graphics.Color)	4291824421 (0xFFD00B25)
YUV	72.8670, -17.6824, 118.5116
Hunter-Lab	37.1477, 62.3351, 21.1741

Details

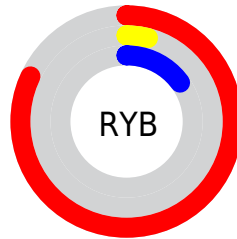
The YIQ color **72.8670, 109.0660, 49.8500** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **146.1330, -109.0660, -49.8500**, and the grayscale version is **73.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.9500, 100.8620, 33.3260**, and **43.0560, 85.8240, 30.5280** is the 20% darker color. If you saturate the color by 10%, you get **65.3840, 114.9800, 52.8040**, and if you desaturate by 10%, it is **87.2460, 97.5130, 44.4650**.

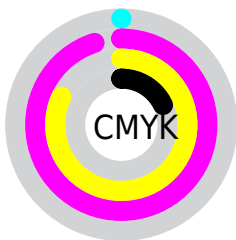
Distribution



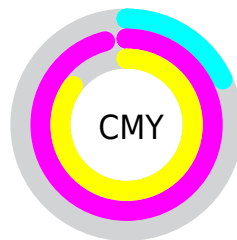
- Red (82%)
- Green (4%)
- Blue (15%)



- Red (82%)
- Yellow (4%)
- Blue (15%)



- Cyan (0%)
- Magenta (95%)
- Yellow (82%)
- Black (18%)





- Cyan (18%)
- Magenta (96%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 72.8670, 109.0660, 49.8500 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 72.8670, 109.0660, 49.8500 by changing the saturation by 10% instead.


 72.8670, 109.0660,
49.8500


 72.8670, 109.0660,
49.8500


255.0000, -0.0000,
-0.0000


 54.4480, 99.7600,
42.2880


 137.9500,
100.8620, 33.3260


 43.0560, 85.8240,
30.5280


 158.4100, 84.5870,
25.4110


 33.4880, 66.7520,
23.7440

 178.2830, 68.5870,
18.0190

 24.7460, 48.2300,
18.0060

 198.2700, 52.2660,
10.9380

 15.7760, 30.3500,
11.6460

 219.0720, 35.0280,
3.9560

 0.0000, 0.0000,
0.0000

 239.1730, 18.3860,

-2.8140

■ 253.6320, 3.8520,
-3.7320

■ 72.8670, 109.0660,
49.8500

■ 72.8670, 109.0660,
49.8500

■ 65.3840, 114.9800,
52.8040

■ 87.2460, 97.5130,
44.4650

■ 101.6250, 85.9600,
39.0800

■ 115.4170, 74.6820,
34.2180

■ 129.7960, 63.1290,
28.8330

■ 144.1750, 51.5760,
23.4480

■ 158.5540, 40.0230,
18.0630

■ 172.9330, 28.4700,
12.6780

■ 186.8390, 16.8710,
8.1270

■ 201.2180, 5.3180,
2.7420

Harmonies

Analogous

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



75.9130, 95.3980, 77.3020



72.8670, 109.0660, 49.8500



95.7630, 83.9500, -1.6020

Triad

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



72.8670, 109.0660, 49.8500



78.3110, -45.5180, -56.1580



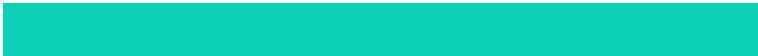
93.1040, -107.8400, 16.0640

Complementary

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



72.8670, 109.0660, 49.8500



146.1330, -109.0660, -49.8500

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.



99.3840, -106.2330, 3.4550



72.8670, 109.0660, 49.8500



88.5080, -70.0970, -34.7130

Square

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



72.8670, 109.0660, 49.8500



84.8030, -2.9250, -51.6370



96.7330, -91.8790, -14.3990



102.3910, -35.9080, 45.0520

Rectangle

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



72.8670, 109.0660, 49.8500



98.2230, 58.5070, -19.5810



96.7330, -91.8790, -14.3990



96.5120, -109.1690, 12.6150

Sweetspot

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



72.8670, 109.0660, 49.8500



206.2550, 39.4270, 17.8510



84.5870, 38.6790, 97.5190



97.8400, 24.2980, 11.1940



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.



72.8670, 109.0660, 49.8500



80.1210, 141.0660, 64.6340



112.1670, 97.6120, 4.1080



97.4030, 6.2350, 2.6430



52.7400, 93.0660, 42.4580



12.8290, 22.8310, 10.2470

Inverse Universe

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



72.8670, 109.0660, 49.8500



80.1210, 141.0660, 64.6340



106.8330, -97.6120, -4.1080



97.4030, 6.2350, 2.6430



52.7400, 93.0660, 42.4580



12.8290, 22.8310, 10.2470

Previews

White Background



This preview shows how the YIQ color 72.8670, 109.0660, 49.8500 looks on a white background.

Color Contrast Check

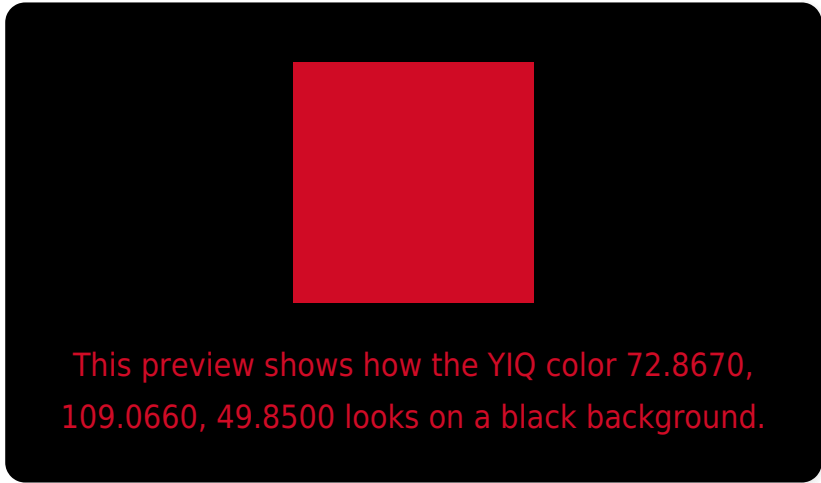
Large Text (above 18pt) WCAG AA ✓ Pass

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 72.8670, 109.0660, 49.8500

Background



This preview shows how black text looks on a background with the YIQ color 72.8670, 109.0660, 49.8500.



This preview shows how white text looks on a background with the YIQ color 72.8670, 109.0660,

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

72.8670, 109.0660, 49.8500

Protanopia

103.5180, 21.3680, -12.8080

Deuteranopia

100.5190, 45.9900, -18.5060



Tritanopia

73.9150, 117.1380, 35.7140

Trichromacy



Original Color

72.8670, 109.0660, 49.8500

Protanomaly

91.9280, 53.2290, 10.0050

Deuteranomaly

90.6060, 68.6350, 6.1310

Tritanomaly

73.5220, 114.1110, 41.0150

Monochromacy



Original Color

72.8670, 109.0660, 49.8500

Achromatopsia

73.0000, -0.0000, -0.0000

Achromatomaly

72.6680, 39.7020, 18.3740

CSS Examples

Text

The CSS property to change the color of the text to YIQ 72.8670, 109.0660, 49.8500 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(208, 11, 37)` looks like.

```
.text, #text, p{  
    color:rgb(208, 11, 37)  
}
```

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(208, 11, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 11, 37) }
```

Border

The CSS property to change the border of an element to YIQ 72.8670, 109.0660, 49.8500 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(208, 11, 37) }
```


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

```
.border{ border-color:rgb(208, 11, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 11, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 11, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 11, 37);  
box-shadow:4px 4px 4px 4px rgb(208, 11,  
37) }
```

Background

The CSS property to change the background color of an element to YIQ 72.8670, 109.0660, 49.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 11, 37) }
```

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

```
.background{ background-color: rgb(208, 11,  
37) }
```

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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