

Converting Colors

YIQ(86.9700, 107.2780, 49.2140)

Have a look what the booklet for
YIQ(86.9700, 107.2780, 49.2140)
contains.

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Color

**YIQ(86.9700, 107.2780,
49.2140)**

Conversions

Conversions Part 1

Format	Color
Hex	DC1A34
RGB	220, 26, 52
RGB Percent	86%, 10%, 20%
CMY	0.1368, 0.8983, 0.7957
CMYK	0.00, 0.88, 0.76, 0.14
HSL	352°, 79%, 48%
HSV	352°, 88%, 86%
XYZ	30.5419, 16.2187, 4.7818
YIQ	86.9700, 107.2780, 49.2140

Conversions

Conversions Part 2

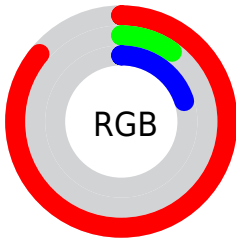
Format	Color
RYB	220, 26, 52
Decimal	14424628
CIELab	47.26, 69.80, 38.51
CIELCh	47, 79.714, 28.885
Yxy	16.2187, 0.5926, 0.3147
Android (android.graphics.Color)	4292614708 (0xFFDC1A34)
YUV	86.9700, -17.2402, 116.6673
Hunter-Lab	40.2725, 64.8941, 21.1508

Details

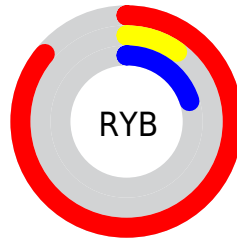
The YIQ color **86.9700, 107.2780, 49.2140** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **159.0300, -107.2780, -49.2140**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.4700, 93.5260, 34.1180**, and **47.6700, 90.0870, 35.8710** is the 20% darker color. If you saturate the color by 10%, you get **71.8900, 119.4270, 54.8110**, and if you desaturate by 10%, it is **102.0500, 95.1290, 43.6170**.

Distribution



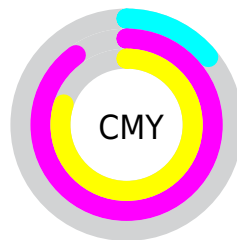
- Red (86%)
- Green (10%)
- Blue (20%)



- Red (86%)
- Yellow (10%)
- Blue (20%)



- Cyan (0%)
- Magenta (88%)
- Yellow (76%)
- Black (14%)





- Cyan (14%)
- Magenta (90%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 86.9700, 107.2780, 49.2140 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 86.9700, 107.2780, 49.2140 by changing the saturation by 10% instead.


 86.9700, 107.2780,
49.2140


 86.9700, 107.2780,
49.2140


255.0000, -0.0000,
-0.0000


 59.7460, 102.0970,
49.4970


 144.4700, 93.5260,
34.1180


 47.6700, 90.0870,
35.8710


 164.9300, 77.2510,
26.2030


 37.0760, 73.9040,
26.2880


 184.9170, 60.9300,
19.1220

 27.9210, 55.1070,
20.0270

 205.0180, 44.2880,
12.3520

 19.1790, 36.5850,
14.2890

 225.7060, 27.3710,
5.0590

 8.4860, 16.3670,
6.2470

 246.5080, 10.1330,

 0.0000, 0.0000,

-1.9230

0.0000

■ 86.9700, 107.2780,
49.2140

■ 86.9700, 107.2780,
49.2140

■ 71.8900, 119.4270,
54.8110

■ 102.0500, 95.1290,
43.6170

■ 69.2000, 121.4900,
55.9700

■ 117.1300, 82.9800,
38.0200

■ 132.2100, 70.8310,
32.4230

■ 147.2900, 58.6820,
26.8260

■ 162.3700, 46.5330,
21.2290

■ 177.4500, 34.3840,
15.6320

■ 192.5300, 22.2350,
10.0350

■ 207.6100, 10.0860,
4.4380

■ 222.8040, -2.3840,
-0.8480

Harmonies

Analogous

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



80.1290, 95.0300, 83.9740



86.9700, 107.2780, 49.2140



102.2970, 91.1940, -0.7260

Triad

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



86.9700, 107.2780, 49.2140



83.0070, -47.7180, -60.3420



100.0000, -113.4790, 13.6330

Complementary

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



86.9700, 107.2780, 49.2140



159.0300, -107.2780, -49.2140

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.



105.8240, -110.5880, -0.2200



86.9700, 107.2780, 49.2140



93.9050, -72.8930, -39.1090

Square

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



86.9700, 107.2780, 49.2140



95.1910, 7.6660, -50.8460



102.2440, -94.9960, -18.4840



109.3080, -46.0400, 41.4480

Rectangle

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



86.9700, 107.2780, 49.2140



105.6430, 66.0720, -19.0160



102.2440, -94.9960, -18.4840



103.1800, -114.1660, 9.5620

Sweetspot

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



86.9700, 107.2780, 49.2140



209.7600, 36.4470, 16.7910



97.4510, 36.0660, 95.3140



100.5300, 22.2350, 10.0350



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.



86.9700, 107.2780, 49.2140



80.1210, 141.0660, 64.6340



123.9220, 96.9240, 5.5640



102.4030, 6.2350, 2.6430



54.3490, 95.7250, 43.8290



14.4380, 25.4900, 11.6180

Inverse Universe

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



86.9700, 107.2780, 49.2140



80.1210, 141.0660, 64.6340



122.0780, -96.9240, -5.5640



102.4030, 6.2350, 2.6430



54.3490, 95.7250, 43.8290



14.4380, 25.4900, 11.6180

Previews

White Background



This preview shows how the YIQ color 86.9700, 107.2780, 49.2140 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



This preview shows how the YIQ color 86.9700, 107.2780, 49.2140 looks on a 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 86.9700, 107.2780, 49.2140

Background



This preview shows how black text looks on a background with the YIQ color 86.9700, 107.2780, 49.2140.



This preview shows how white text looks on a background with the YIQ color 86.9700, 107.2780,

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

86.9700, 107.2780, 49.2140

Protanopia

111.5870, 16.9200, -9.2880

Deuteranopia

109.4140, 42.0920, -13.9400



Tritanopia

87.1690, 113.6070, 39.1350

Trichromacy



Original Color

86.9700, 107.2780, 49.2140

Protanomaly

102.5410, 50.0650, 12.2810

Deuteranomaly

101.6320, 65.7460, 8.9300

Tritanomaly

87.0210, 111.2680, 42.9800

Monochromacy



Original Color

86.9700, 107.2780, 49.2140

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.9560, 38.8310, 17.6390

CSS Examples

Text

The CSS property to change the color of the text to YIQ 86.9700, 107.2780, 49.2140 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(220, 26, 52)` looks like.

```
.text, #text, p{  
    color:rgb(220, 26, 52)  
}
```

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(220, 26, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 26, 52) }
```

Border

The CSS property to change the border of an element to YIQ 86.9700, 107.2780, 49.2140 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(220, 26, 52) }
```


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

```
.border{ border-color:rgb(220, 26, 52) }
```

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

Here you see how a box with a 4 pixel rgb(220, 26, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 26, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 26, 52);  
box-shadow:4px 4px 4px 4px rgb(220, 26,  
52) }
```

Background

The CSS property to change the background color of an element to YIQ 86.9700, 107.2780, 49.2140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 26, 52) }
```

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

```
.background{ background-color: rgb(220, 26,  
52) }
```

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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