

Converting Colors

YIQ(24.8980, -42.3700, 29.9980)

Have a look what the booklet for
YIQ(24.8980, -42.3700, 29.9980)
contains.

YIQ(24.8980, -42.3700, 29.9980)	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>	30

Color

**YIQ(24.8980, -42.3700,
29.9980)**

Conversions

Conversions Part 1

Format	Color
Hex	03117B
RGB	3, 17, 123
RGB Percent	1%, 7%, 48%
CMY	0.9881, 0.9333, 0.5179
CMYK	0.98, 0.86, 0.00, 0.52
HSL	233°, 95%, 25%
HSV	233°, 98%, 48%
XYZ	3.8094, 1.8490, 18.8741
YIQ	24.8980, -42.3700, 29.9980

Conversions

Conversions Part 2

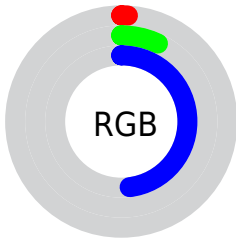
Format	Color
R_{YB}	3, 16, 123
Decimal	201083
CIE _{Lab}	14.67, 38.89, -58.63
CIE _{LCh}	15, 70.357, 303.561
Yxy	1.8490, 0.1553, 0.0754
Android (android.graphics.Color)	4278391163 (0xFF03117B)
YUV	24.8980, 48.3643, -19.2045
Hunter-Lab	13.5977, 26.2105, -72.7784

Details

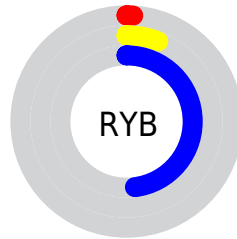
The YIQ color **24.8980, -42.3700, 29.9980** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **101.1020, 42.3700, -29.9980**, and the grayscale version is **24.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **80.4920, -26.1870, 39.5810**, and **8.3220, -23.4330, 22.7030** is the 20% darker color. If you saturate the color by 10%, you get **22.2400, -43.3330, 30.9310**, and if you desaturate by 10%, it is **34.9430, -38.2430, 26.7890**.

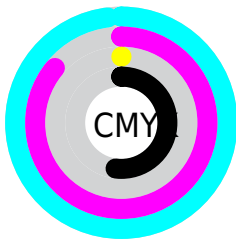
Distribution



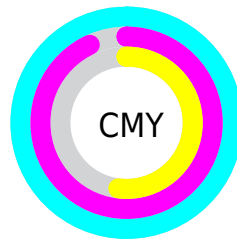
- Red (1%)
- Green (7%)
- Blue (48%)



- Red (1%)
- Yellow (6%)
- Blue (48%)



- Cyan (98%)
- Magenta (86%)
- Yellow (0%)
- Black (52%)



- Cyan (99%)
- Magenta (93%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 24.8980, -42.3700, 29.9980 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 24.8980, -42.3700, 29.9980 by changing the saturation by 10% instead.

■ 24.8980, -42.3700,
29.9980

■ 24.8980, -42.3700,
29.9980

■ 250.3040, 2.2000,
4.1840

■ 11.0580, -31.1370,
30.1670

■ 80.4920, -26.1870,
39.5810

■ 8.3220, -23.4330,
22.7030

■ 106.4430,
-24.4910, 41.8850

■ 7.9340, -16.8290,
13.1470

■ 132.9810,
-23.0700, 43.6660

■ 3.6650, -8.9420,
7.8740

■ 159.1230,
-20.5940, 42.8460


■ 0.0000, 0.0000,
0.0000


■ 183.0560,
-10.4600, 35.3960


■ 208.4620, -0.2800,


27.1120


 233.8680, 9.9000,
18.8280


 24.8980, -42.3700,
29.9980


 24.8980, -42.3700,
29.9980


 22.2400, -43.3330,
30.9310

 34.9430, -38.2430,
26.7890

 45.2870, -33.5200,
23.7920

 55.3320, -29.3930,
20.5830

 64.7900, -24.9910,
17.8970

 74.8350, -20.8640,
14.6880

■ 85.1790, -16.1410,
11.6910

■ 95.2240, -12.0140,
8.4820

■ 105.2690, -7.8870,
5.2730

■ 115.6130, -3.1640,
2.2760

Harmonies

Analogous

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



42.4890, -57.6360, 20.3160



24.8980, -42.3700, 29.9980



37.7530, 30.2980, 45.6420

Triad

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



24.8980, -42.3700, 29.9980



28.6160, 45.4800, 12.7760



35.8990, -28.0570, -14.6570

Complementary

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



24.8980, -42.3700, 29.9980



101.1020, 42.3700, -29.9980

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.



30.5240, -14.3000, -27.1960



24.8980, -42.3700, 29.9980



34.8640, 14.5820, -10.9700

Square

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



24.8980, -42.3700, 29.9980



31.6940, 63.1760, 22.4720



27.5890, -12.9250, -24.5810



42.7730, -44.6570, -0.1530

Rectangle

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



24.8980, -42.3700, 29.9980



38.8890, 50.1060, 39.0820



27.5890, -12.9250, -24.5810



33.8470, -22.2790, -20.2550

Sweetspot

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



24.8980, -42.3700, 29.9980



122.2930, -16.4620, 12.0020



85.5240, -67.0260, -29.7940



58.0670, -10.1340, 7.4500



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000

Same Dimension

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



24.8980, -42.3700, 29.9980



29.5070, -56.9060, 40.1340



30.4340, -11.1040, 47.0720



56.2710, -2.2010, 1.3430



23.0550, -44.2500, 31.0300



45.7510, -88.8670, 63.2050

Inverse Universe

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



40.4760, 67.0260, 29.7940



50.3050, 89.8570, 40.0410



95.5660, 11.1040, -47.0720



56.9080, 3.2550, 1.5830



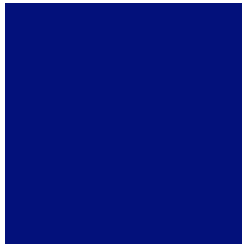
39.0850, 69.6850, 31.1650



78.6540, 140.8830, 62.4430

Previews

White Background



This preview shows how the YIQ color 24.8980, -42.3700, 29.9980 looks on a white background.

Color Contrast Check

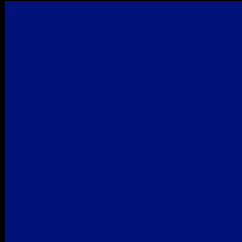
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the YIQ color 24.8980, -42.3700, 29.9980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

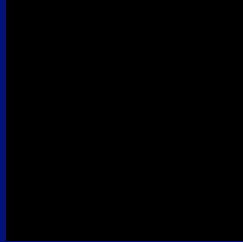
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 24.8980, -42.3700, 29.9980

Background



This preview shows how black text looks on a background with the YIQ color 24.8980, -42.3700, 29.9980.



This preview shows how white text looks on a background with the YIQ color 24.8980, -42.3700,

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

24.8980, -42.3700, 29.9980

Protanopia

31.4260, -36.1300, 5.0060

Deuteranopia

31.7050, -32.7820, -0.6060

Trichromacy



Original Color

24.8980, -42.3700, 29.9980

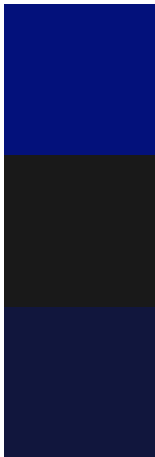
Protanomaly

28.8530, -38.4700, 14.3780

Deuteranomaly

29.0010, -36.1310, 10.5330

Monochromacy



Original Color

24.8980, -42.3700, 29.9980

Achromatopsia

25.0000, -0.0000, -0.0000

Achromatomaly

24.9510, -15.4990, 11.0690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 24.8980, -42.3700, 29.9980 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(3, 17, 123)` looks like.

```
.text, #text, p{  
    color:rgb(3, 17, 123)  
}
```

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(3, 17, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 17, 123) }
```

Border

The CSS property to change the border of an element to YIQ 24.8980, -42.3700, 29.9980 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(3, 17, 123) }
```

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

```
.border{ border-color:rgb(3, 17, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 17, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 17, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 17, 123);  
box-shadow:4px 4px 4px 4px rgb(3, 17, 123)  
}
```


Background

The CSS property to change the background color of an element to YIQ 24.8980, -42.3700, 29.9980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 17, 123) }
```

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

```
.background{ background-color: rgb(3, 17,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor