

Converting Colors

YIQ(51.4890, -14.0780, 12.8500)

Have a look what the booklet for
YIQ(51.4890, -14.0780, 12.8500)
contains.

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Color

**YIQ(51.4890, -14.0780,
12.8500)**

Conversions

Conversions Part 1

Format	Color
Hex	2E2F59
RGB	46, 47, 89
RGB Percent	18%, 18%, 35%
CMY	0.8196, 0.8157, 0.6511
CMYK	0.48, 0.47, 0.00, 0.65
HSL	239°, 32%, 26%
HSV	239°, 48%, 35%
XYZ	3.9457, 3.3349, 9.8820
YIQ	51.4890, -14.0780, 12.8500

Conversions

Conversions Part 2

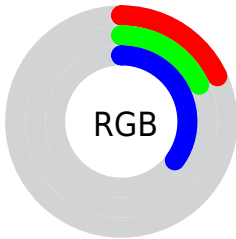
Format	Color
R_{YB}	46, 47, 89
Decimal	3026777
CIE _{Lab}	21.34, 12.19, -25.50
CIE _{LCh}	21, 28.265, 295.542
Yxy	3.3349, 0.2299, 0.1943
Android (android.graphics.Color)	4281216857 (0xFF2E2F59)
YUV	51.4890, 18.4929, -4.8139
Hunter-Lab	18.2618, 6.6094, -19.3001

Details

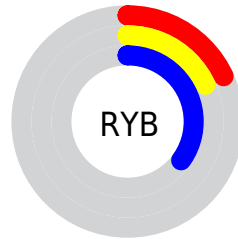
The YIQ color **51.4890, -14.0780, 12.8500** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **83.5110, 14.0780, -12.8500**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **98.8420, -13.5740, 14.7300**, and **5.2010, -13.2070, 13.5850** is the 20% darker color. If you saturate the color by 10%, you get **43.5150, -16.9670, 15.6490**, and if you desaturate by 10%, it is **59.4630, -11.1890, 10.0510**.

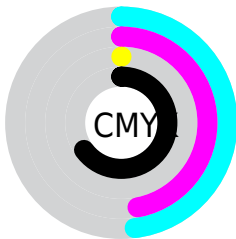
Distribution



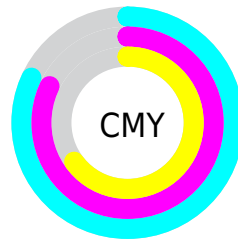
- Red (18%)
- Green (18%)
- Blue (35%)



- Red (18%)
- Yellow (18%)
- Blue (35%)



- Cyan (48%)
- Magenta (47%)
- Yellow (0%)
- Black (65%)



- Cyan (82%)
- Magenta (82%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 51.4890, -14.0780, 12.8500 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 51.4890, -14.0780, 12.8500 by changing the saturation by 10% instead.

■ 51.4890, -14.0780,
12.8500

■ 51.4890, -14.0780,
12.8500

■ 255.0000, -0.0000,
-0.0000

■ 29.2500, -14.9030,
11.2810

■ 98.8420, -13.5740,
14.7300

■ 5.2010, -13.2070,
13.5850

■ 123.4830,
-13.9410, 15.8750

■ 3.0950, -7.3370,
6.3190

■ 149.5970,
-14.2620, 16.1860

■ 0.0000, 0.0000,
0.0000

■ 176.1240,
-14.3080, 17.0200

■ 204.2380,
-14.6290, 17.3310

■ 229.6160, -7.2460,

10.1780

253.8260, 0.5500,
1.0460

■ 51.4890, -14.0780,
12.8500

■ 51.4890, -14.0780,
12.8500

■ 43.5150, -16.9670,
15.6490

■ 59.4630, -11.1890,
10.0510

■ 36.1280, -20.1310,
17.9250

■ 66.8500, -8.0250,
7.7750

■ 28.1540, -23.0200,
20.7240

■ 74.8240, -5.1360,
4.9760

■ 20.1800, -25.9090,
23.5230

■ 82.7980, -2.2470,
2.1770

■ 13.0920, -28.4770,
26.0110

■ 89.8860, 0.3210,
-0.3110

■ 11.3200, -29.1190,
26.6330

■ 97.8600, 3.2100,
-3.1100

■ 105.8340, 6.0990,
-5.9090

■ 113.8080, 8.9880,
-8.7080

■ 121.1950, 12.1520,
-10.9840

Harmonies

Analogous

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



42.8870, -44.9780, 0.1580



51.4890, -14.0780, 12.8500



52.9820, 9.5790, 19.1390

Triad

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



51.4890, -14.0780, 12.8500



49.9250, 30.9480, 0.8040



41.1650, -31.8620, -17.2860

Complementary

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



51.4890, -14.0780, 12.8500



83.5110, 14.0780, -12.8500

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.



42.3810, -15.0350, -19.3790



51.4890, -14.0780, 12.8500



48.7680, 23.6600, -10.2920

Square

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



51.4890, -14.0780, 12.8500



50.4450, 32.7800, 11.6600



46.8800, 8.4850, -16.1150



43.6730, -38.9240, -10.4440

Rectangle

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



51.4890, -14.0780, 12.8500



51.5550, 21.0870, 19.8310



46.8800, 8.4850, -16.1150



40.3670, -29.6150, -19.4630

Sweetspot

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



51.4890, -14.0780, 12.8500



100.8240, -5.1360, 4.9760



76.0290, -25.3070, -9.4270



50.1400, -3.2100, 3.1100



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000

Same Dimension

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



51.4890, -14.0780, 12.8500



56.8120, -22.0570, 19.7910



56.8820, -1.8830, 17.6130



39.4560, -1.2840, 1.2440



13.3720, -34.8970, 32.2310



29.7250, -76.8100, 70.4700

Inverse Universe

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



58.9710, 25.3070, 9.4270



68.2610, 39.2900, 14.8260



78.1180, 1.8830, -17.6130



40.1960, 2.3840, 0.8480



32.2210, 63.1300, 23.3060



70.8350, 138.4550, 51.3750

Previews

White Background



This preview shows how the YIQ color 51.4890, -14.0780, 12.8500 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 ✓ Pass

Black Background



This preview shows how the YIQ color 51.4890, -14.0780, 12.8500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

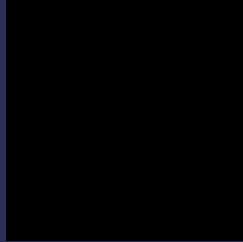
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 51.4890, -14.0780, 12.8500

Background



This preview shows how black text looks on a background with the YIQ color 51.4890, -14.0780, 12.8500.



This preview shows how white text looks on a background with the YIQ color 51.4890, -14.0780,

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

51.4890, -14.0780, 12.8500

Protanopia

49.1070, -24.8060, 9.0340

Deuteranopia

47.7320, -28.2440, 5.2600



Tritanopia

49.3730, -11.4160, -2.3600

Trichromacy



Original Color

51.4890, -14.0780, 12.8500

Protanomaly

49.9010, -21.2300, 10.3060

Deuteranomaly

48.9500, -22.9260, 8.0020

Tritanomaly

49.7630, -12.3340, 3.2660

Monochromacy



Original Color

51.4890, -14.0780, 12.8500

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

51.4110, -5.4110, 4.4530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 51.4890, -14.0780, 12.8500 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(46, 47, 89)` looks like.

```
.text, #text, p{  
    color:rgb(46, 47, 89)  
}
```

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(46, 47, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 47, 89) }
```

Border

The CSS property to change the border of an element to YIQ 51.4890, -14.0780, 12.8500 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(46, 47, 89) }
```


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

```
.border{ border-color:rgb(46, 47, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 47, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 47, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 47, 89);  
box-shadow:4px 4px 4px 4px rgb(46, 47, 89)  
}
```

Background

The CSS property to change the background color of an element to YIQ 51.4890, -14.0780, 12.8500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 47, 89) }
```

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

```
.background{ background-color: rgb(46, 47,  
89) }
```

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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