

# Converting Colors

YIQ(49.2780, -12.1060, 10.1500)

Have a look what the booklet for  
YIQ(49.2780, -12.1060, 10.1500)  
contains.

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# Color

**YIQ(49.2780, -12.1060,  
10.1500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2C2E50
RGB	44, 46, 80
RGB Percent	17%, 18%, 31%
CMY	0.8274, 0.8196, 0.6863
CMYK	0.45, 0.42, 0.00, 0.69
HSL	237°, 29%, 24%
HSV	237°, 45%, 31%
XYZ	3.4632, 3.0685, 7.9955
YIQ	49.2780, -12.1060, 10.1500

# Conversions

## Conversions Part 2

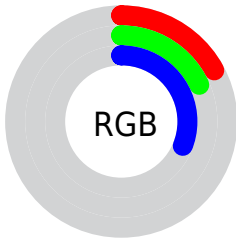
<b>Format</b>	<b>Color</b>
<b>RYB</b>	44, 46, 80
Decimal	2895440
CIELab	20.32, 9.23, -21.14
CIElCh	20, 23.062, 293.579
Yxy	3.0685, 0.2384, 0.2112
Android (android.graphics.Color)	4281085520 (0xFF2C2E50)
YUV	49.2780, 15.1459, -4.6288
Hunter-Lab	17.5172, 4.6346, -14.8000

# Details

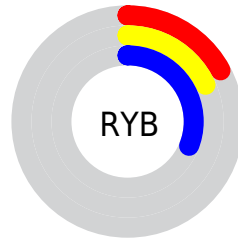
The YIQ color **49.2780, -12.1060, 10.1500** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **74.7220, 12.1060, -10.1500**, and the grayscale version is **49.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **96.2180, -11.8770, 11.5070**, and **4.1040, -11.5560, 11.1960** is the 20% darker color. If you saturate the color by 10%, you get **42.1900, -14.6740, 12.6380**, and if you desaturate by 10%, it is **56.3660, -9.5380, 7.6620**.

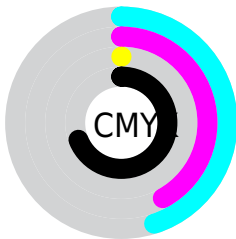
# Distribution



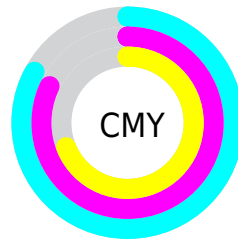
- Red (17%)
- Green (18%)
- Blue (31%)



- Red (17%)
- Yellow (18%)
- Blue (31%)



- Cyan (45%)
- Magenta (42%)
- Yellow (0%)
- Black (69%)



- Cyan (83%)
- Magenta (82%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 49.2780, -12.1060, 10.1500 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 49.2780, -12.1060, 10.1500 by changing the saturation by 10% instead.



■ 49.2780, -12.1060,  
10.1500

■ 49.2780, -12.1060,  
10.1500

■ 255.0000, -0.0000,  
-0.0000

■ 27.4520, -12.6560,  
9.1040

■ 96.2180, -11.8770,  
11.5070

■ 4.1040, -11.5560,  
11.1960

■ 120.8590,  
-12.2440, 12.6520

■ 1.2540, -3.5310,  
3.4210

■ 146.9730,  
-12.5650, 12.9630

■ 0.0000, 0.0000,  
0.0000

■ 173.0870,  
-12.8860, 13.2740

■ 200.6140,  
-12.9320, 14.1080

■ 227.2460, -9.0800,

10.3760

252.9400, 0.2290,  
1.3570

49.2780, -12.1060,  
10.1500

49.2780, -12.1060,  
10.1500

42.1900, -14.6740,  
12.6380

56.3660, -9.5380,  
7.6620

35.6890, -17.5170,  
14.6030

62.8670, -6.6950,  
5.6970

28.6010, -20.0850,  
17.0910

69.9550, -4.1270,  
3.2090

22.1000, -22.9280,  
19.0560

76.4560, -1.2840,  
1.2440

15.0120, -25.4960,  
21.5440

83.5440, 1.2840,  
-1.2440

■ 11.4680, -26.7800,  
22.7880

■ 90.0450, 4.1270,  
-3.2090

■ 97.1330, 6.6950,  
-5.6970

■ 103.6340, 9.5380,  
-7.6620

■ 110.7220, 12.1060,  
-10.1500

# Harmonies

## Analogous

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



40.1710, -40.0260, -1.4820



49.2780, -12.1060, 10.1500



50.4930, 6.4620, 15.0540

# Triad

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



49.2780, -12.1060, 10.1500



48.7010, 25.7670, 1.0870



38.5890, -30.1200, -15.8160

# Complementary

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



49.2780, -12.1060, 10.1500



74.7220, 12.1060, -10.1500

# 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.



42.9520, -9.2130, -14.7570



49.2780, -12.1060, 10.1500



47.7230, 19.5330, -7.0830

# Square

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



49.2780, -12.1060, 10.1500



48.5690, 26.4990, 9.8510



45.8030, 7.3840, -12.6800



40.5270, -35.5770, -10.5290



# Rectangle

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



49.2780, -12.1060, 10.1500



50.2830, 15.8610, 15.4210



45.8030, 7.3840, -12.6800



38.5030, -27.0020, -17.2580

# Sweetspot

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



49.2780, -12.1060, 10.1500



93.1830, -4.7690, 3.8310



69.0080, -20.8140, -8.2540



46.0260, -2.8890, 2.7990



181.0000, -0.0000, 0.0000



54.0000, -0.0000, 0.0000



# Same Dimension

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



49.2780, -12.1060, 10.1500



56.2590, -19.1220, 16.1580



52.8880, -2.0200, 14.5880



37.4560, -1.2840, 1.2440



15.4920, -35.3550, 29.5170



34.0790, -78.0470, 65.3530



# Inverse Universe

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



54.9920, 20.8140, 8.2540



65.3850, 33.0090, 13.0170



71.1120, 2.0200, -14.5880



38.1960, 2.3840, 0.8480



32.0790, 60.6540, 24.1260



70.8500, 134.0990, 53.2270



# Previews

## White Background



This preview shows how the YIQ color 49.2780, -12.1060, 10.1500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

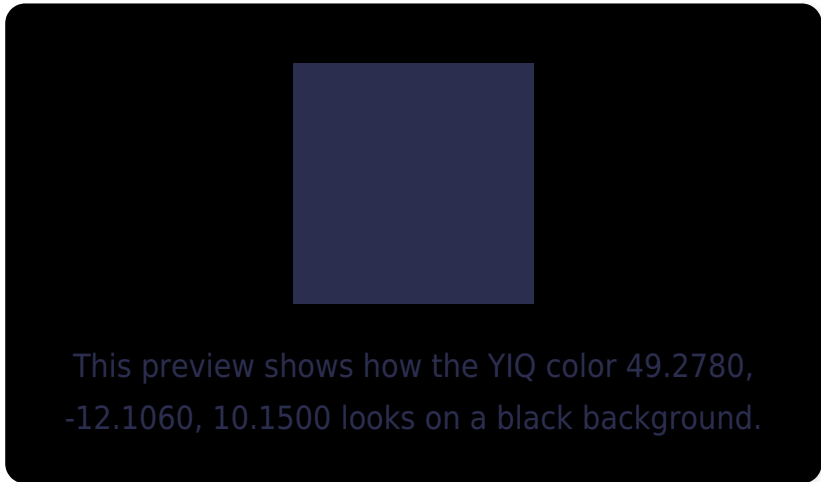
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

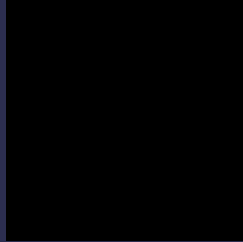
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 49.2780, -12.1060, 10.1500

## Background



This preview shows how black text looks on a background with the YIQ color 49.2780, -12.1060, 10.1500.



This preview shows how white text looks on a background with the YIQ color 49.2780, -12.1060,



# 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

49.2780, -12.1060, 10.1500

### Protanopia

47.9890, -18.6620, 7.8180

### Deuteranopia

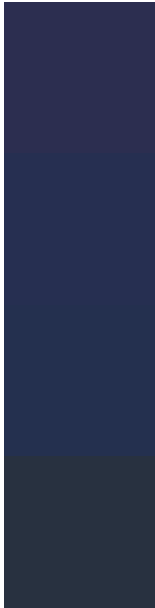
47.0380, -20.3580, 5.5140



## Tritanopia

47.2700, -9.6280, -1.7240

# Trichromacy



## Original Color

49.2780, -12.1060, 10.1500

## Protanomaly

48.1850, -16.2780, 8.6660

## Deuteranomaly

47.9460, -17.1030, 7.0970

## Tritanomaly

48.0190, -10.1790, 2.7570

# Monochromacy



## Original Color

49.2780, -12.1060, 10.1500

## Achromatopsia

49.0000, -0.0000, -0.0000

## Achromatomaly

49.0690, -4.4480, 3.5200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 49.2780, -12.1060, 10.1500 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(44, 46, 80)` looks like.

```
.text, #text, p{  
    color:rgb(44, 46, 80)  
}
```

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(44, 46, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 46, 80) }
```

## Border

The CSS property to change the border of an element to YIQ 49.2780, -12.1060, 10.1500 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(44, 46, 80) }
```



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

```
.border{ border-color:rgb(44, 46, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 46, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 46, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 46, 80);  
box-shadow:4px 4px 4px 4px rgb(44, 46, 80)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 49.2780, -12.1060, 10.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 46, 80) }
```

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

```
.background{ background-color: rgb(44, 46,  
80) }
```

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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