

# Converting Colors

YIQ(15.1290, -21.8720, 10.9280)

Have a look what the booklet for  
YIQ(15.1290, -21.8720, 10.9280)  
contains.

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# Color

**YIQ(15.1290, -21.8720,  
10.9280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	010E3A
RGB	1, 14, 58
RGB Percent	0%, 5%, 23%
CMY	0.9961, 0.9451, 0.7727
CMYK	0.98, 0.76, 0.00, 0.77
HSL	226°, 97%, 12%
HSV	226°, 98%, 23%
XYZ	0.9326, 0.6258, 4.0705
YIQ	15.1290, -21.8720, 10.9280

# Conversions

## Conversions Part 2

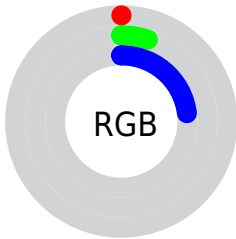
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">1, 12, 58</a>
Decimal	<a href="#">69178</a>
CIELab	<a href="#">5.65, 13.71, -29.54</a>
CIELCh	<a href="#">6, 32.567, 294.892</a>
Yxy	<a href="#">0.6258, 0.1657, 0.1112</a>
Android (android.graphics.Color)	<a href="#">4278259258 (0xFF010E3A)</a>
YUV	<a href="#">15.1290, 21.1354, -12.3911</a>
Hunter-Lab	<a href="#">7.9111, 7.1972, -24.9691</a>

# Details

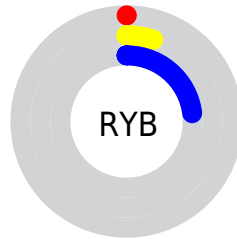
The YIQ color **15.1290, -21.8720, 10.9280** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **43.8710, 21.8720, -10.9280**, and the grayscale version is **15.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **60.8030, -17.8380, 14.9140**, and **1.3680, -3.8520, 3.7320** is the 20% darker color. If you saturate the color by 10%, you get **14.2430, -22.1930, 11.2390**, and if you desaturate by 10%, it is **19.2710, -19.3960, 10.1080**.

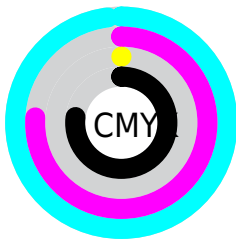
# Distribution



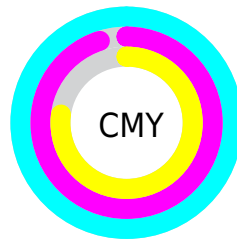
- Red (0%)
- Green (5%)
- Blue (23%)



- Red (0%)
- Yellow (5%)
- Blue (23%)



- Cyan (98%)
- Magenta (76%)
- Yellow (0%)
- Black (77%)



- Cyan (100%)
- Magenta (95%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 15.1290, -21.8720, 10.9280 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 15.1290, -21.8720, 10.9280 by changing the saturation by 10% instead.



■ 15.1290, -21.8720,  
10.9280

■ 15.1290, -21.8720,  
10.9280

■ 239.3620, -3.7150,  
6.7570

■ 5.2780, -12.1060,  
10.1500

■ 60.8030, -17.8380,  
14.9140

■ 1.3680, -3.8520,  
3.7320

■ 84.6290, -17.2880,  
15.9600

■ 0.0000, 0.0000,  
0.0000

■ 109.1560,  
-17.3340, 16.7940

■ 134.6830,  
-17.3800, 17.6280

■ 161.2100,  
-17.4260, 18.4620

■ 188.7370,

-17.4720, 19.2960

■ 214.5540,  
-12.7030, 15.4650

■ 15.1290, -21.8720,  
10.9280

■ 15.1290, -21.8720,  
10.9280

■ 14.2430, -22.1930,  
11.2390

■ 19.2710, -19.3960,  
10.1080

■ 24.0000, -17.1950,  
8.7650

■ 27.8430, -15.3150,  
7.7330

■ 32.5720, -13.1140,  
6.3900

■ 36.7140, -10.6380,  
5.5700

■ 41.4430, -8.4370,  
4.2270

■ 45.5850, -5.9610,  
3.4070

■ 50.0150, -4.3560,  
1.8520

■ 54.1570, -1.8800,  
1.0320

# Harmonies

## Analogous

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



20.5690, -26.2270, 7.2530



15.1290, -21.8720, 10.9280



16.9760, 9.7160, 22.1640

# Triad

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



15.1290, -21.8720, 10.9280



16.0910, 24.8490, 6.7130



17.8040, -11.5520, -10.9120

# Complementary

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



15.1290, -21.8720, 10.9280



43.8710, 21.8720, -10.9280

# 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.



16.4360, -7.7000, -14.6440



15.1290, -21.8720, 10.9280



18.0630, 12.8840, -2.2200

# Square

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



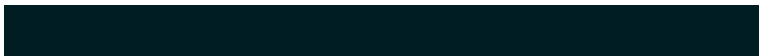
15.1290, -21.8720, 10.9280



15.8470, 31.5880, 11.2360



14.0880, -6.6000, -12.5520



21.1270, -19.5310, -3.9710



# Rectangle

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



15.1290, -21.8720, 10.9280



18.4840, 19.8490, 20.2410



14.0880, -6.6000, -12.5520



16.4360, -7.7000, -14.6440

# Sweetspot

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



15.1290, -21.8720, 10.9280



59.5570, -8.7580, 4.5380



39.4750, -29.7990, -16.1270



28.2430, -4.9980, 2.4740



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



15.1290, -21.8720, 10.9280



18.7570, -29.3920, 15.0560



11.9830, -9.3570, 20.9070



25.9290, -1.2380, 0.4100



22.8150, -35.3070, 17.6290



54.3160, -84.0490, 41.9590



# Inverse Universe

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



19.5250, 29.7990, 16.1270



24.9610, 40.4350, 21.6110



47.0170, 9.3570, -20.9070



26.0110, 1.4670, 0.9470



29.9020, 48.0910, 26.0350



71.1810, 114.4740, 61.9780



# Previews

## White Background



This preview shows how the YIQ color 15.1290, -21.8720, 10.9280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

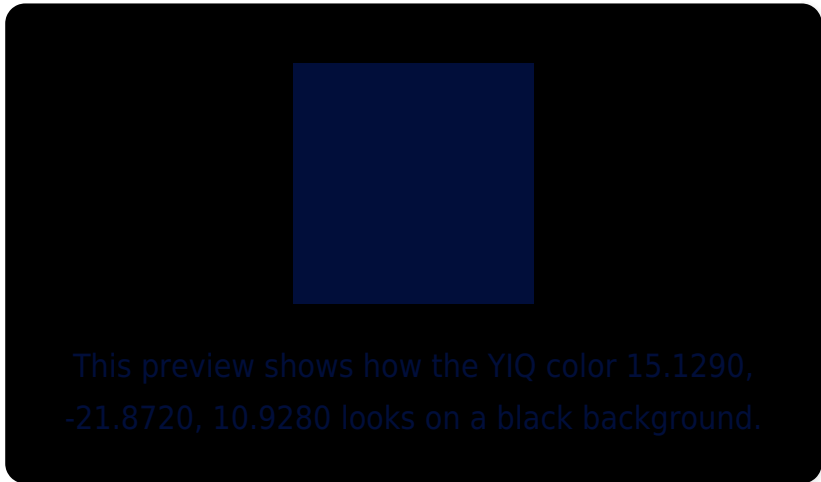
Any Text WCAG AA ✓ Pass

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

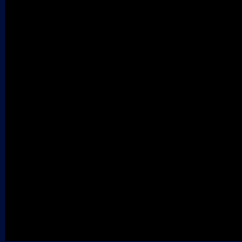
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 15.1290, -21.8720, 10.9280

## Background



This preview shows how black text looks on a background with the YIQ color 15.1290, -21.8720, 10.9280.



This preview shows how white text looks on a background with the YIQ color 15.1290, -21.8720,



# 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

15.1290, -21.8720, 10.9280

### Protanopia

16.5280, -18.9820, 2.6020

### Deuteranopia

16.4310, -17.3310, 0.2130



## Tritanopia

16.2370, -14.0290, -4.5650

# Trichromacy



## Original Color

15.1290, -21.8720, 10.9280

## Protanomaly

16.0380, -20.3580, 5.5140

## Deuteranomaly

15.5820, -19.0740, 4.2700

## Tritanomaly

15.8440, -17.0560, 0.7360

# Monochromacy



## Original Color

15.1290, -21.8720, 10.9280

## Achromatopsia

15.0000, -0.0000, -0.0000

## Achromatomaly

15.3290, -8.1160, 3.9160

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 15.1290, -21.8720, 10.9280 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(1, 14, 58)` looks like.

```
.text, #text, p{  
    color:rgb(1, 14, 58)  
}
```

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(1, 14, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 14, 58) }
```

## Border

The CSS property to change the border of an element to YIQ 15.1290, -21.8720, 10.9280 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(1, 14, 58) }
```



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

```
.border{ border-color:rgb(1, 14, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 14, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 14, 58); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 14, 58); box-shadow:4px  
4px 4px 4px rgb(1, 14, 58) }
```

# Background

The CSS property to change the background color of an element to YIQ 15.1290, -21.8720, 10.9280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 14, 58) }
```

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

```
.background{ background-color: rgb(1, 14,  
58) }
```

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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