

# Converting Colors

YIQ(45.4350, -13.9860, 11.1820)

Have a look what the booklet for  
YIQ(45.4350, -13.9860, 11.1820)  
contains.

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# Color

**YIQ(45.4350, -13.9860,  
11.1820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	272A50
RGB	39, 42, 80
RGB Percent	15%, 16%, 31%
CMY	0.8470, 0.8353, 0.6864
CMYK	0.51, 0.47, 0.00, 0.69
HSL	236°, 34%, 23%
HSV	236°, 51%, 31%
XYZ	3.1120, 2.6663, 7.9358
YIQ	45.4350, -13.9860, 11.1820

# Conversions

## Conversions Part 2

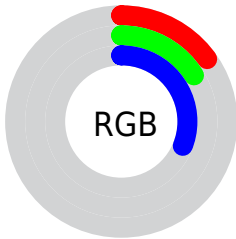
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 42, 80
Decimal	2566736
CIE <sub>Lab</sub>	18.65, 10.58, -23.79
CIE <sub>LCh</sub>	19, 26.041, 293.982
Yxy	2.6663, 0.2269, 0.1944
Android (android.graphics.Color)	4280756816 (0xFF272A50)
<b>YUV</b>	45.4350, 17.0405, -5.6435
Hunter-Lab	16.3288, 5.4440, -17.3849

# Details

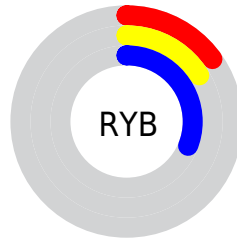
The YIQ color **45.4350, -13.9860, 11.1820** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **73.5650, 13.9860, -11.1820**, and the grayscale version is **45.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **91.9020, -13.8030, 13.3730**, and **3.9900, -11.2350, 10.8850** is the 20% darker color. If you saturate the color by 10%, you get **38.9340, -16.8290, 13.1470**, and if you desaturate by 10%, it is **51.9360, -11.1430, 9.2170**.

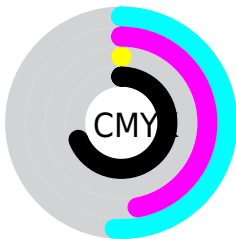
# Distribution



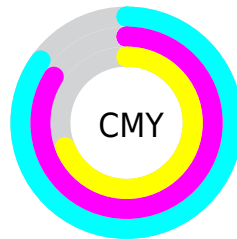
- Red (15%)
- Green (16%)
- Blue (31%)



- Red (15%)
- Yellow (16%)
- Blue (31%)



- Cyan (51%)
- Magenta (47%)
- Yellow (0%)
- Black (69%)



- Cyan (85%)
- Magenta (84%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 45.4350, -13.9860, 11.1820 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 45.4350, -13.9860, 11.1820 by changing the saturation by 10% instead.



■ 45.4350, -13.9860,  
11.1820

■ 45.4350, -13.9860,  
11.1820

■ 255.0000, -0.0000,  
-0.0000

■ 23.8970, -15.4070,  
9.4010

■ 91.9020, -13.8030,  
13.3730

■ 3.9900, -11.2350,  
10.8850

■ 116.4290,  
-13.8490, 14.2070

■ 1.1400, -3.2100,  
3.1100

■ 142.5430,  
-14.1700, 14.5180

■ 0.0000, 0.0000,  
0.0000

■ 168.9560,  
-13.8950, 15.0410

■ 196.1840,  
-14.5370, 15.6630

■ 222.8160,

-10.6850, 11.9310

247.9230, -1.1010,  
3.4350

45.4350, -13.9860,  
11.1820

45.4350, -13.9860,  
11.1820

38.9340, -16.8290,  
13.1470

51.9360, -11.1430,  
9.2170

31.8460, -19.3970,  
15.6350

59.0240, -8.5750,  
6.7290

25.3450, -22.2400,  
17.6000

65.5250, -5.7320,  
4.7640

18.2570, -24.8080,  
20.0880

72.6130, -3.1640,  
2.2760

12.6420, -27.3300,  
21.7420

79.1140, -0.3210,  
0.3110

■ 85.6150, 2.5220,  
-1.6540

■ 92.7030, 5.0900,  
-4.1420

■ 99.2040, 7.9330,  
-6.1070

■ 106.2920, 10.5010,  
-8.5950

# Harmonies

## Analogous

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



38.2250, -40.1180, 0.1860



45.4350, -13.9860, 11.1820



47.1450, 7.5620, 17.1460

# Triad

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



45.4350, -13.9860, 11.1820



44.3700, 28.1970, 1.1010



36.3720, -28.0110, -15.4910

# Complementary

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



45.4350, -13.9860, 11.1820



73.5650, 13.9860, -11.1820

# 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.



37.8160, -11.8260, -16.9620



45.4350, -13.9860, 11.1820



43.1100, 22.6970, -9.3590

# Square

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



45.4350, -13.9860, 11.1820



44.1780, 29.1580, 11.2220



41.7060, 9.0350, -15.0690



38.5380, -34.1100, -9.5820



# Rectangle

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



45.4350, -13.9860, 11.1820



45.5330, 18.1530, 17.9370



41.7060, 9.0350, -15.0690



35.5740, -25.7640, -17.6680

# Sweetspot

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



45.4350, -13.9860, 11.1820



91.4110, -5.4110, 4.4530



67.3990, -23.4730, -9.6250



45.7270, -3.4850, 2.5870



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.



45.4350, -13.9860, 11.1820



50.6440, -21.6440, 17.8120



48.7570, -3.0290, 16.3550



37.4560, -1.2840, 1.2440



16.6660, -35.9050, 28.4710



36.4270, -79.1470, 63.2610



# Inverse Universe

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



51.6010, 23.4730, 9.6250



60.5920, 36.8600, 14.8120



70.2430, 3.0290, -16.3550



38.1960, 2.3840, 0.8480



32.3070, 60.0120, 24.7480



71.3060, 132.8150, 54.4710



# Previews

## White Background



This preview shows how the YIQ color 45.4350, -13.9860, 11.1820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

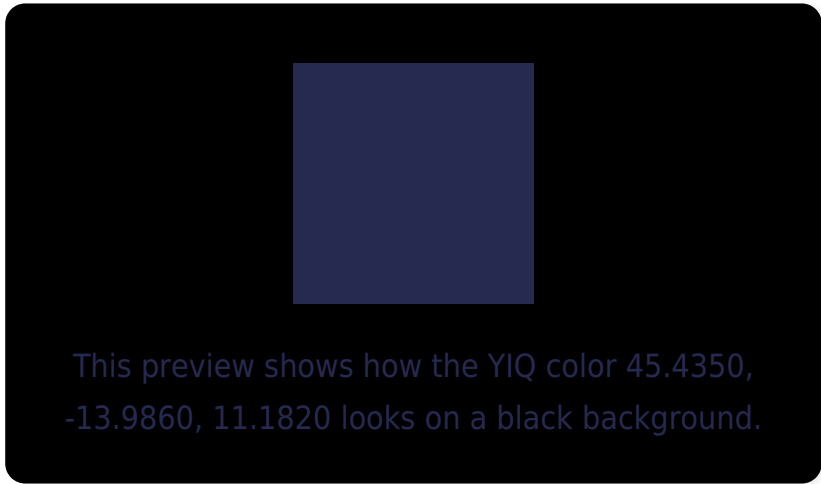
Any Text WCAG AA ✓ Pass

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

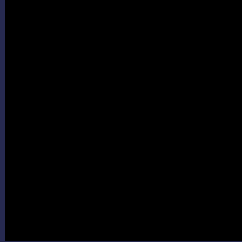
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 45.4350, -13.9860, 11.1820

## Background



This preview shows how black text looks on a background with the YIQ color 45.4350, -13.9860, 11.1820.



This preview shows how white text looks on a background with the YIQ color 45.4350, -13.9860,



# 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

45.4350, -13.9860, 11.1820

### Protanopia

43.2490, -22.3300, 8.2140

### Deuteranopia

41.6890, -26.6850, 4.5390



## Tritanopia

43.0740, -12.0120, -2.5720

# Trichromacy



## Original Color

45.4350, -13.9860, 11.1820

## Protanomaly

43.7440, -19.3500, 9.2740

## Deuteranomaly

43.1950, -22.2380, 6.5460

## Tritanomaly

43.9370, -12.8840, 2.2200

# Monochromacy



## Original Color

45.4350, -13.9860, 11.1820

## Achromatopsia

45.0000, -0.0000, -0.0000

## Achromatomaly

45.2970, -5.0900, 4.1420

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 45.4350, -13.9860, 11.1820 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(39, 42, 80)` looks like.

```
.text, #text, p{  
  color:rgb(39, 42, 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(39, 42, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 42, 80) }
```

## Border

The CSS property to change the border of an element to YIQ 45.4350, -13.9860, 11.1820 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(39, 42, 80) }
```



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

```
.border{ border-color:rgb(39, 42, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 42, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 42, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 42, 80);  
box-shadow:4px 4px 4px 4px rgb(39, 42, 80)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 45.4350, -13.9860, 11.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 42, 80) }
```

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

```
.background{ background-color: rgb(39, 42,  
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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