

# Converting Colors

YIQ(38.5350, -36.9140, 30.2380)

Have a look what the booklet for  
YIQ(38.5350, -36.9140, 30.2380)  
contains.

<b>YIQ(38.5350, -36.9140, 30.2380)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(38.5350, -36.9140,  
30.2380)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	161D83
RGB	22, 29, 131
RGB Percent	9%, 11%, 51%
CMY	0.9136, 0.8863, 0.4865
CMYK	0.83, 0.78, 0.00, 0.49
HSL	236°, 71%, 30%
HSV	236°, 83%, 51%
XYZ	4.8634, 2.6867, 21.7146
YIQ	38.5350, -36.9140, 30.2380

# Conversions

## Conversions Part 2

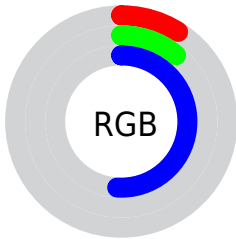
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 29, 131
Decimal	1449347
CIE Lab	18.74, 35.87, -56.95
CIE LCh	19, 67.304, 302.207
Yxy	2.6867, 0.1662, 0.0918
Android (android.graphics.Color)	4279639427 (0xFF161D83)
YUV	38.5350, 45.5852, -14.5012
Hunter-Lab	16.3912, 24.2777, -67.0715

# Details

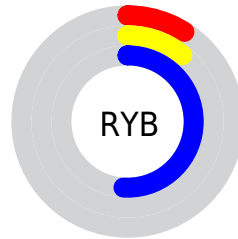
The YIQ color **38.5350, -36.9140, 30.2380** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **114.4650, 36.9140, -30.2380**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **90.8400, -27.2870, 37.4890**, and **9.1200, -25.6800, 24.8800** is the 20% darker color. If you saturate the color by 10%, you get **27.6040, -41.3620, 33.7580**, and if you desaturate by 10%, it is **49.4660, -32.4660, 26.7180**.

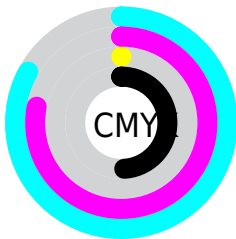
# Distribution



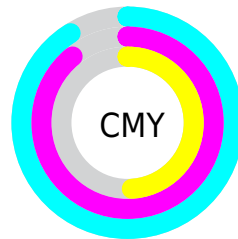
- Red (9%)
- Green (11%)
- Blue (51%)



- Red (9%)
- Yellow (11%)
- Blue (51%)



- Cyan (83%)
- Magenta (78%)
- Yellow (0%)
- Black (49%)



- Cyan (91%)
- Magenta (89%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.5350, -36.9140, 30.2380 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 38.5350, -36.9140, 30.2380 by changing the saturation by 10% instead.



■ 38.5350, -36.9140,  
30.2380

■ 38.5350, -36.9140,  
30.2380

■ 255.0000, -0.0000,  
-0.0000

■ 16.6660, -35.9050,  
28.4710

■ 90.8400, -27.2870,  
37.4890

■ 9.1200, -25.6800,  
24.8800

■ 116.7910,  
-25.5910, 39.7930

■ 9.3190, -19.3510,  
14.8010

■ 143.7310,  
-25.3620, 41.1500

■ 5.0500, -11.4640,  
9.5280

■ 169.1460,  
-19.4010, 37.7430

■ 0.7980, -2.2470,  
2.1770

■ 193.0790, -9.2670,  
30.2930

■ 0.0000, 0.0000,  
0.0000

■ 218.4850, 0.9130,

22.0090

241.4990, 6.3250,  
12.0290

38.5350, -36.9140,  
30.2380

38.5350, -36.9140,  
30.2380

27.6040, -41.3620,  
33.7580

49.4660, -32.4660,  
26.7180

19.6300, -44.2510,  
36.5570

60.9840, -28.2930,  
22.6750

71.9150, -23.8450,  
19.1550

82.8460, -19.3970,  
15.6350

93.7770, -14.9490,  
12.1150

■ 105.5940,  
-10.1800, 8.2840

■ 116.5250, -5.7320,  
4.7640

■ 127.4560, -1.2840,  
1.2440

■ 138.3870, 3.1640,  
-2.2760

# Harmonies

## Analogous

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



47.8690, -61.7620, 17.9980



38.5350, -36.9140, 30.2380



40.9860, 31.2600, 50.2360

# Triad

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



38.5350, -36.9140, 30.2380



38.3620, 49.0110, 9.3550



41.8660, -32.4580, -17.4980

# Complementary

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



38.5350, -36.9140, 30.2380



114.4650, 36.9140, -30.2380

# 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.



35.2200, -16.5000, -31.3800



38.5350, -36.9140, 30.2380



43.1480, 19.5340, -12.6100

# Square

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



38.5350, -36.9140, 30.2380



34.9830, 69.7320, 24.8040



32.8720, -15.4000, -29.2880



48.1530, -48.7830, -2.4710



# Rectangle

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



38.5350, -36.9140, 30.2380



42.8340, 51.9390, 44.4110



32.8720, -15.4000, -29.2880



39.9280, -27.0010, -22.7850

# Sweetspot

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



38.5350, -36.9140, 30.2380



134.6630, -14.6280, 11.8040



97.6110, -62.7170, -25.2850



64.5510, -8.6210, 7.5630



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000



# Same Dimension

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



38.5350, -36.9140, 30.2380



25.9510, -57.9160, 47.4280



48.4790, -6.9770, 43.8630



60.6840, -1.9260, 1.8660



19.5160, -43.9300, 36.2460



0.3420, -0.9630, 0.9330



# Inverse Universe

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



55.3890, 62.7170, 25.2850



52.3830, 98.3850, 39.6730



104.5210, 6.9770, -43.8630



61.7940, 3.5760, 1.2720



39.7820, 74.9120, 30.0480

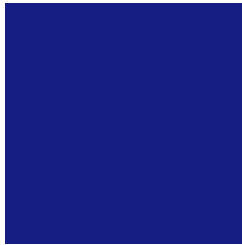


0.8970, 1.7880, 0.6360



# Previews

## White Background



This preview shows how the YIQ color 38.5350, -36.9140, 30.2380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

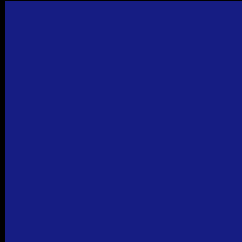
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the YIQ color 38.5350, -36.9140, 30.2380 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

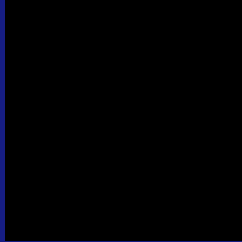
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 38.5350, -36.9140, 30.2380**

## **Background**



This preview shows how black text looks on a background with the YIQ color 38.5350, -36.9140, 30.2380.



This preview shows how white text looks on a background with the YIQ color 38.5350, -36.9140,



# 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

38.5350, -36.9140, 30.2380

### Protanopia

37.1310, -42.5490, 5.6990

### Deuteranopia

37.2960, -38.8800, -0.2240



## Tritanopia

36.6800, -31.6340, -10.4020

# Trichromacy



## Original Color

38.5350, -36.9140, 30.2380

## Protanomaly

37.4830, -40.3040, 14.5760

## Deuteranomaly

37.7450, -38.2860, 11.0420

## Tritanomaly

37.5680, -33.6540, 4.1860

# Monochromacy



## Original Color

38.5350, -36.9140, 30.2380

## Achromatopsia

39.0000, -0.0000, -0.0000

## Achromatomaly

38.6200, -13.0690, 11.0830

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.5350, -36.9140, 30.2380 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(22, 29, 131)` looks like.

```
.text, #text, p{  
    color:rgb(22, 29, 131)  
}
```

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(22, 29, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 29, 131) }
```

## Border

The CSS property to change the border of an element to YIQ 38.5350, -36.9140, 30.2380 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(22, 29, 131) }
```



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

```
.border{ border-color:rgb(22, 29, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 29, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 29, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 29, 131);  
box-shadow:4px 4px 4px 4px rgb(22, 29,  
131) }
```

# Background

The CSS property to change the background color of an element to YIQ 38.5350, -36.9140, 30.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 29, 131) }
```

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

```
.background{ background-color: rgb(22, 29,  
131) }
```

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