

# Converting Colors

YIQ(69.2230, -11.4140,  
-13.4140)

Have a look what the booklet for  
YIQ(69.2230, -11.4140, -13.4140)  
contains.

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# Color

**YIQ(69.2230, -11.4140,  
-13.4140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32513B
RGB	50, 81, 59
RGB Percent	20%, 32%, 23%
CMY	0.8040, 0.6823, 0.7687
CMYK	0.38, 0.00, 0.27, 0.68
HSL	137°, 24%, 26%
HSV	137°, 38%, 32%
XYZ	5.0469, 6.8800, 5.1987
YIQ	69.2230, -11.4140, -13.4140

# Conversions

## Conversions Part 2

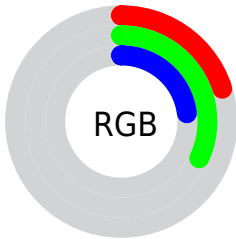
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 74, 81
Decimal	3297595
CIELab	31.53, -16.95, 9.40
CIElCh	32, 19.379, 150.997
Yxy	6.8800, 0.2947, 0.4017
Android (android.graphics.Color)	4281487675 (0xFF32513B)
YUV	69.2230, -5.0399, -16.8586
Hunter-Lab	26.2298, -11.5567, 6.6098

# Details

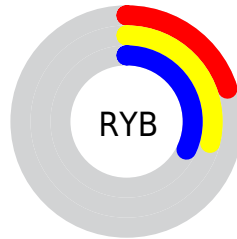
The YIQ color **69.2230, -11.4140, -13.4140** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **61.7770, 11.4140, 13.4140**, and the grayscale version is **69.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **118.2830, -11.6430, -14.7710**, and **24.8640, -11.7810, -12.2690** is the 20% darker color. If you saturate the color by 10%, you get **66.1470, -14.2560, -16.9760**, and if you desaturate by 10%, it is **72.2990, -8.5720, -9.8520**.

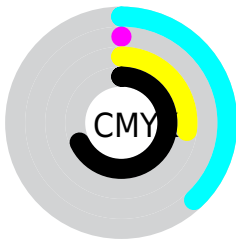
# Distribution



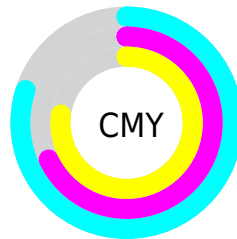
- Red (20%)
- Green (32%)
- Blue (23%)



- Red (20%)
- Yellow (29%)
- Blue (32%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (68%)



- Cyan (80%)
- Magenta (68%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 69.2230, -11.4140, -13.4140 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 69.2230, -11.4140, -13.4140 by changing the saturation by 10% instead.



69.2230, -11.4140,  
-13.4140

69.2230, -11.4140,  
-13.4140

255.0000, -0.0000,  
-0.0000

46.6360, -11.1390,  
-12.8910

118.2830,  
-11.6430, -14.7710

24.8640, -11.7810,  
-12.2690

143.8700,  
-11.9180, -15.2940

5.8700, -2.7500,  
-5.2300

170.5710,  
-12.5140, -15.5060

0.0000, 0.0000,  
0.0000

197.5710,  
-12.5140, -15.5060

225.7450,  
-13.0640, -16.5520

246.5270, -9.2140,

-9.2300

■ 69.2230, -11.4140,  
-13.4140

■ 69.2230, -11.4140,  
-13.4140

■ 66.1470, -14.2560,  
-16.9760

■ 72.2990, -8.5720,  
-9.8520

■ 63.0710, -17.0980,  
-20.5380

■ 75.2610, -5.4090,  
-6.6010

■ 60.1090, -20.2610,  
-23.7890

■ 78.3370, -2.5670,  
-3.0390

■ 57.0330, -23.1030,  
-27.3510

■ 81.4130, 0.2750,  
0.5230

■ 53.6580, -26.5410,  
-31.1250

■ 84.4890, 3.1170,  
4.0850

■ 50.6960, -29.7040,  
-34.3760

■ 87.7500, 6.8760,  
7.5480

■ 50.2830, -29.9790,  
-34.8990

■ 90.8260, 9.7180,  
11.1100

■ 93.9020, 12.5600,  
14.6720

■ 96.9780, 15.4020,  
18.2340

# Harmonies

## Analogous

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



71.5900, 3.6700, -11.4500



69.2230, -11.4140, -13.4140



65.8390, -27.8280, -13.3000

# Triad

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



69.2230, -11.4140, -13.4140



72.0270, -21.8250, 4.5670



75.0910, 24.8490, 6.7130

# Complementary

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



69.2230, -11.4140, -13.4140



61.7770, 11.4140, 13.4140

# 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.



76.2140, 20.3090, 11.9010



69.2230, -11.4140, -13.4140



75.5130, -5.4580, 10.8140

# Square

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



69.2230, -11.4140, -13.4140



67.3300, -36.2200, -4.3800



76.4070, 9.5800, 13.6120



74.0920, 23.1080, -0.2840



# Rectangle

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



69.2230, -11.4140, -13.4140



63.8040, -37.9150, -12.2110



76.4070, 9.5800, 13.6120



75.3730, 24.1150, 9.0030

# Sweetspot

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



69.2230, -11.4140, -13.4140



100.3860, -4.2630, -5.3430



74.7750, 4.5870, -11.5490



51.3370, -2.5670, -3.0390



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.



69.2230, -11.4140, -13.4140



86.3590, -17.9690, -21.2730



70.9330, -16.2290, -8.7490



39.4620, -1.4210, -1.7810



65.0550, -38.5050, -45.5850



143.8220, -85.3070, -100.4990



# Inverse Universe

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



61.7770, 11.4140, 13.4140



74.6410, 17.9690, 21.2730



60.0670, 16.2290, 8.7490



38.5380, 1.4210, 1.7810



39.8310, 38.8260, 45.2740

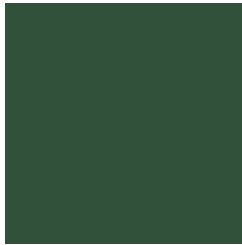


88.1780, 85.3070, 100.4990



# Previews

## White Background



This preview shows how the YIQ color 69.2230, -11.4140, -13.4140 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

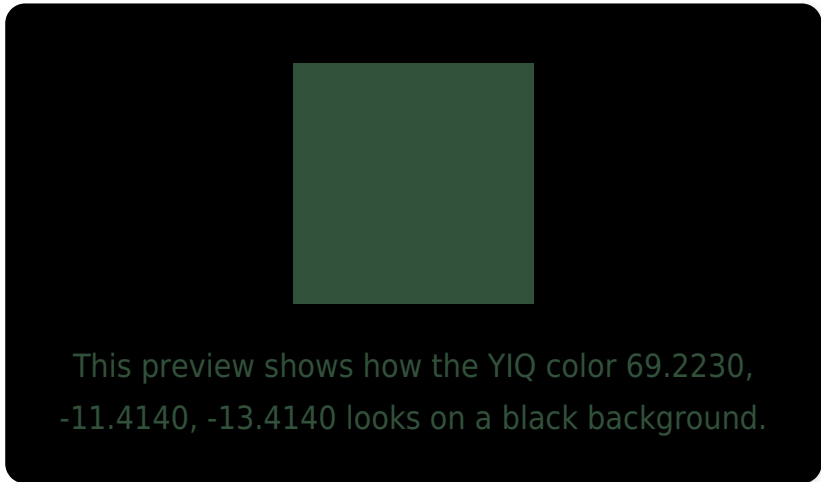
Any Text WCAG AA ✓ Pass

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 69.2230, -11.4140, -13.4140

## Background



This preview shows how black text looks on a background with the YIQ color 69.2230, -11.4140, -13.4140.



This preview shows how white text looks on a background with the YIQ color 69.2230, -11.4140,



# 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

69.2230, -11.4140, -13.4140

### Protanopia

73.4430, 8.7580, -4.5380

### Deuteranopia

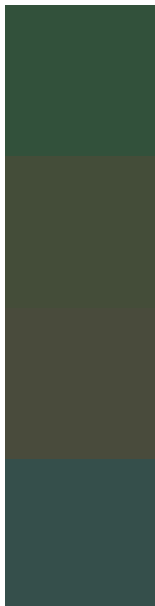
74.3450, 12.1500, 0.0700



## Tritanopia

71.8070, -15.6340, -3.0100

# Trichromacy



## Original Color

69.2230, -11.4140, -13.4140

## Protanomaly

72.0290, 1.0560, -8.1280

## Deuteranomaly

72.6920, 3.6230, -5.0890

## Tritanomaly

70.7700, -14.2120, -6.7560

# Monochromacy



## Original Color

69.2230, -11.4140, -13.4140

## Achromatopsia

69.0000, -0.0000, -0.0000

## Achromatomaly

68.7990, -3.9880, -4.8200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 69.2230, -11.4140, -13.4140 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(50, 81, 59)` looks like.

```
.text, #text, p{  
    color:rgb(50, 81, 59)  
}
```

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(50, 81, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 81, 59) }
```

## Border

The CSS property to change the border of an element to YIQ 69.2230, -11.4140, -13.4140 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(50, 81, 59) }
```



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

```
.border{ border-color:rgb(50, 81, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 81, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 81, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 81, 59);  
box-shadow:4px 4px 4px 4px rgb(50, 81, 59)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 69.2230, -11.4140, -13.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 81, 59) }
```

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

```
.background{ background-color: rgb(50, 81,  
59) }
```

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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