

# Converting Colors

YIQ(85.1810, -11.5960,  
-21.1320)

Have a look what the booklet for  
YIQ(85.1810, -11.5960, -21.1320)  
contains.

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# Color

**YIQ(85.1810, -11.5960,  
-21.1320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D663E
RGB	61, 102, 62
RGB Percent	24%, 40%, 24%
CMY	0.7609, 0.5999, 0.7569
CMYK	0.40, 0.00, 0.39, 0.60
HSL	122°, 25%, 32%
HSV	122°, 40%, 40%
XYZ	7.5450, 10.8450, 6.2525
YIQ	85.1810, -11.5960, -21.1320

# Conversions

## Conversions Part 2

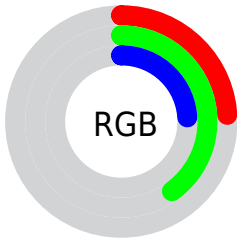
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 101, 102
Decimal	4023870
CIELab	39.32, -23.55, 18.22
CIELCh	39, 29.775, 142.282
Yxy	10.8450, 0.3062, 0.4401
Android (android.graphics.Color)	4282213950 (0xFF3D663E)
YUV	85.1810, -11.4282, -21.2067
Hunter-Lab	32.9317, -16.7343, 11.7952

# Details

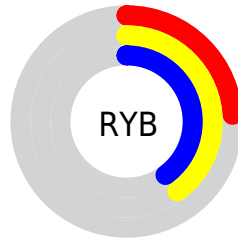
The YIQ color **85.1810, -11.5960, -21.1320** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **77.8190, 11.5960, 21.1320**, and the grayscale version is **85.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.5400, -11.2290, -22.2770**, and **38.3380, -13.4760, -20.1000** is the 20% darker color. If you saturate the color by 10%, you get **81.0510, -14.3460, -26.3620**, and if you desaturate by 10%, it is **89.3110, -8.8460, -15.9020**.

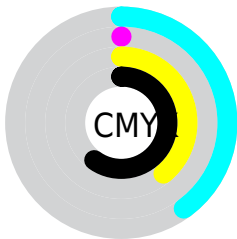
# Distribution



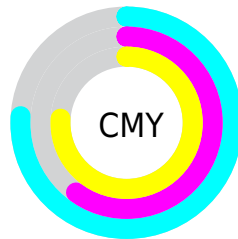
- Red (24%)
- Green (40%)
- Blue (24%)



- Red (24%)
- Yellow (40%)
- Blue (40%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (60%)



- Cyan (76%)
- Magenta (60%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.1810, -11.5960, -21.1320 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 85.1810, -11.5960, -21.1320 by changing the saturation by 10% instead.



85.1810, -11.5960,  
-21.1320

85.1810, -11.5960,  
-21.1320

255.0000, -0.0000,  
-0.0000

61.4090, -12.2380,  
-20.5100

135.2410,  
-11.8250, -22.4890

38.0390, -14.0720,  
-20.3120

161.7140,  
-11.7790, -23.3230

19.3710, -9.0750,  
-17.2590

189.3010,  
-12.0540, -23.8460

0.0000, 0.0000,  
0.0000

217.1870,  
-11.7330, -24.1570

239.9040, -9.2580,  
-19.4500

251.4680, -1.5580,

-4.8060

■ 85.1810, -11.5960,  
-21.1320

■ 85.1810, -11.5960,  
-21.1320

■ 81.0510, -14.3460,  
-26.3620

■ 89.3110, -8.8460,  
-15.9020

■ 76.9210, -17.0960,  
-31.5920

■ 93.4410, -6.0960,  
-10.6720

■ 72.4920, -20.4420,  
-37.0340

■ 97.8700, -2.7500,  
-5.2300

■ 68.3620, -23.1920,  
-42.2640

■ 102.0000, -0.0000,  
-0.0000

■ 64.2320, -25.9420,  
-47.4940

■ 106.1300, 2.7500,  
5.2300

■ 60.2160, -29.0130,  
-52.4130

■ 110.2600, 5.5000,  
10.4600

■ 114.3900, 8.2500,  
15.6900

■ 118.8190, 11.5960,  
21.1320

■ 122.9490, 14.3460,  
26.3620

# Harmonies

## Analogous

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



88.7940, 11.6030, -17.5570



85.1810, -11.5960, -21.1320



76.7070, -45.4320, -24.6640

# Triad

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



85.1810, -11.5960, -21.1320



83.9620, -49.5630, 0.6530



93.6630, 38.0980, 14.4020

# Complementary

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



85.1810, -11.5960, -21.1320



77.8190, 11.5960, 21.1320

# 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.



94.6160, 28.2850, 21.5410



85.1810, -11.5960, -21.1320



93.2760, -17.7920, 14.0800

# Square

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



85.1810, -11.5960, -21.1320



74.6940, -69.7800, -12.9160



95.9650, 8.2490, 21.2170



92.1000, 37.8250, 2.8250



# Rectangle

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



85.1810, -11.5960, -21.1320



73.2630, -61.6170, -23.1930



95.9650, 8.2490, 21.2170



93.8740, 36.1260, 17.1020

# Sweetspot

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



85.1810, -11.5960, -21.1320



126.3920, -4.4000, -8.3680



97.0270, 12.5650, -12.9630



62.2830, -2.4750, -4.7070



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000



# Same Dimension

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



85.1810, -11.5960, -21.1320



106.7960, -18.2420, -32.8500



87.4610, -18.0160, -14.9120



48.9350, -1.3750, -2.6150



67.8470, -32.5880, -59.2120



142.7380, -68.4760, -124.7000



# Inverse Universe

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



77.8190, 11.5960, 21.1320



95.2040, 18.2420, 32.8500



75.5390, 18.0160, 14.9120



48.0650, 1.3750, 2.6150



47.1530, 32.5880, 59.2120

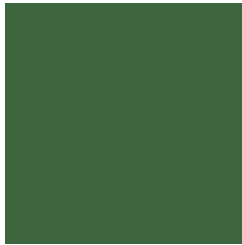


99.2620, 68.4760, 124.7000



# Previews

## White Background



This preview shows how the YIQ color 85.1810, -11.5960, -21.1320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

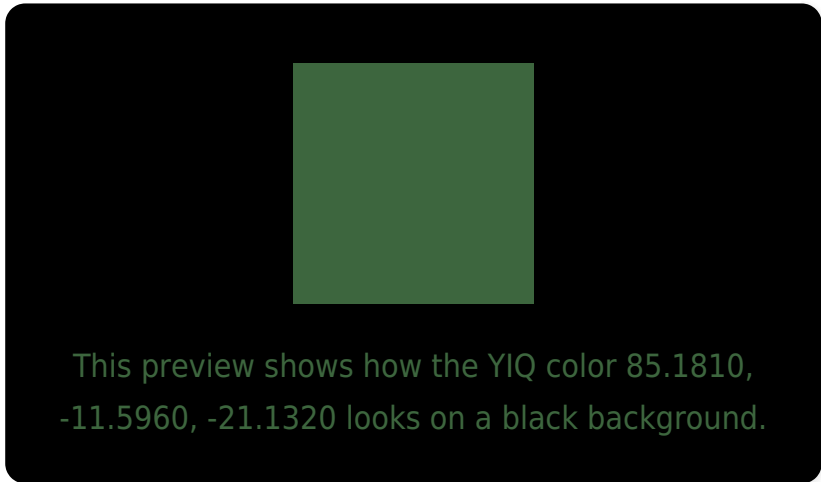
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 85.1810, -11.5960, -21.1320

## Background



This preview shows how black text looks on a background with the YIQ color 85.1810, -11.5960, -21.1320.



This preview shows how white text looks on a background with the YIQ color 85.1810, -11.5960,

-21.1320.

# 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

85.1810, -11.5960, -21.1320

### Protanopia

90.8150, 16.2780, -8.6660

### Deuteranopia

91.9560, 20.4950, -2.4890



## Tritanopia

89.5400, -19.2560, -3.4480

# Trichromacy



## Original Color

85.1810, -11.5960, -21.1320

## Protanomaly

88.7920, 5.9170, -13.6270

## Deuteranomaly

89.3950, 8.7130, -9.2310

## Tritanomaly

87.9930, -16.4580, -10.1060

# Monochromacy



## Original Color

85.1810, -11.5960, -21.1320

## Achromatopsia

85.0000, -0.0000, 0.0000

## Achromatomaly

84.9190, -4.4460, -7.5340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.1810, -11.5960, -21.1320 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(61, 102, 62)` looks like.

```
.text, #text, p{  
    color:rgb(61, 102, 62)  
}
```

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(61, 102, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 102, 62) }
```

## Border

The CSS property to change the border of an element to YIQ 85.1810, -11.5960, -21.1320 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(61, 102, 62) }
```



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

```
.border{ border-color:rgb(61, 102, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 102, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 102, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 102, 62);  
box-shadow:4px 4px 4px 4px rgb(61, 102,  
62) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.1810, -11.5960, -21.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 102, 62) }
```

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

```
.background{ background-color: rgb(61, 102,  
62) }
```

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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