

# Converting Colors

YIQ(82.7310, -10.4490,  
-25.4010)

Have a look what the booklet for  
YIQ(82.7310, -10.4490, -25.4010)  
contains.

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# Color

**YIQ(82.7310, -10.4490,  
-25.4010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	396633
RGB	57, 102, 51
RGB Percent	22%, 40%, 20%
CMY	0.7766, 0.5999, 0.8000
CMYK	0.44, 0.00, 0.50, 0.60
HSL	113°, 33%, 30%
HSV	113°, 50%, 40%
XYZ	7.0361, 10.6143, 4.8098
YIQ	82.7310, -10.4490, -25.4010

# Conversions

## Conversions Part 2

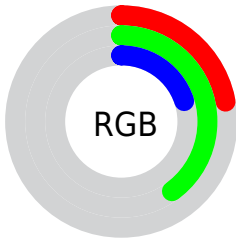
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 102, 96
Decimal	3761715
CIELab	38.92, -26.79, 23.99
CIELCh	39, 35.968, 138.155
Yxy	10.6143, 0.3133, 0.4726
Android (android.graphics.Color)	4281951795 (0xFF396633)
YUV	82.7310, -15.6434, -22.5661
Hunter-Lab	32.5795, -18.4643, 14.0525

# Details

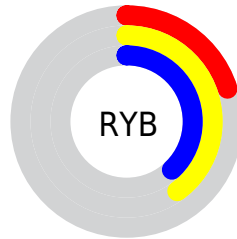
The YIQ color **82.7310, -10.4490, -25.4010** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **70.2690, 10.4490, 25.4010**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **132.9760, -9.7610, -26.8570**, and **34.0620, -12.8790, -25.4150** is the 20% darker color. If you saturate the color by 10%, you get **78.9000, -12.6030, -30.4190**, and if you desaturate by 10%, it is **86.5620, -8.2950, -20.3830**.

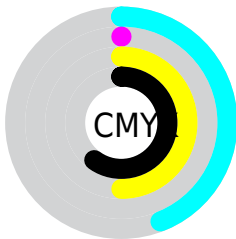
# Distribution



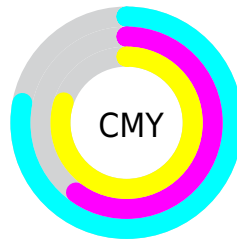
- Red (22%)
- Green (40%)
- Blue (20%)



- Red (20%)
- Yellow (40%)
- Blue (38%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (60%)



- Cyan (78%)
- Magenta (60%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 82.7310, -10.4490, -25.4010 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 82.7310, -10.4490, -25.4010 by changing the saturation by 10% instead.



■ 82.7310, -10.4490,  
-25.4010

■ 82.7310, -10.4490,  
-25.4010

■ 255.0000, -0.0000,  
-0.0000

■ 58.6600, -11.6870,  
-24.9910

■ 132.9760, -9.7610,  
-26.8570

■ 34.0620, -12.8790,  
-25.4150

■ 159.5630,  
-10.0360, -27.3800

■ 19.9580, -9.3500,  
-17.7820

■ 187.0360, -9.9900,  
-28.2140

■ 0.0000, 0.0000,  
0.0000

■ 214.6230,  
-10.2650, -28.7370

■ 237.2260, -7.4690,  
-24.3410

■ 249.0890, 0.8270,

-9.4850

■ 82.7310, -10.4490,  
-25.4010

■ 82.7310, -10.4490,  
-25.4010

■ 78.9000, -12.6030,  
-30.4190

■ 86.5620, -8.2950,  
-20.3830

■ 75.0690, -14.7570,  
-35.4370

■ 90.3930, -6.1410,  
-15.3650

■ 71.1240, -16.5900,  
-40.7660

■ 94.3380, -4.3080,  
-10.0360

■ 67.2930, -18.7440,  
-45.7840

■ 98.1690, -2.1540,  
-5.0180

■ 63.4620, -20.8980,  
-50.8020

■ 102.0000, -0.0000,  
-0.0000

■ 105.8310, 2.1540,  
5.0180

■ 109.6620, 4.3080,  
10.0360

■ 113.6070, 6.1410,  
15.3650

■ 117.4380, 8.2950,  
20.3830

# Harmonies

## Analogous

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



87.3230, 17.2430, -20.6530



82.7310, -10.4490, -25.4010



70.6410, -54.2340, -30.3460

# Triad

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



82.7310, -10.4490, -25.4010



74.5120, -74.7790, -4.9150



91.5330, 44.5160, 19.2360

# Complementary

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



82.7310, -10.4490, -25.4010



70.2690, 10.4490, 25.4010

# 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.



92.8600, 30.7140, 27.0820



82.7310, -10.4490, -25.4010



90.8280, -28.1540, 14.6460

# Square

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



82.7310, -10.4490, -25.4010



76.4380, -71.9350, -12.4070



94.8170, 5.9100, 25.0620



90.8730, 45.8940, 5.2700



# Rectangle

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



82.7310, -10.4490, -25.4010



73.5080, -60.9290, -24.6490



94.8170, 5.9100, 25.0620



92.0860, 41.5810, 22.8690

# Sweetspot

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



82.7310, -10.4490, -25.4010



125.3380, -4.3080, -10.0360



92.0770, 18.2960, -12.2000



61.6420, -2.1080, -5.8520



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.



82.7310, -10.4490, -25.4010



102.6510, -16.6360, -39.9320



83.1030, -20.1240, -20.7640



48.9350, -1.3750, -2.6150



71.3920, -23.8770, -57.3890



150.4260, -49.8620, -120.6300



# Inverse Universe

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



70.2690, 10.4490, 25.4010



83.0500, 16.0400, 39.7200



69.8970, 20.1240, 20.7640



47.7660, 0.7790, 2.4030



43.3090, 23.2810, 57.1770

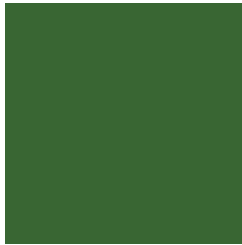


91.5740, 49.8620, 120.6300



# Previews

## White Background



This preview shows how the YIQ color 82.7310, -10.4490, -25.4010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

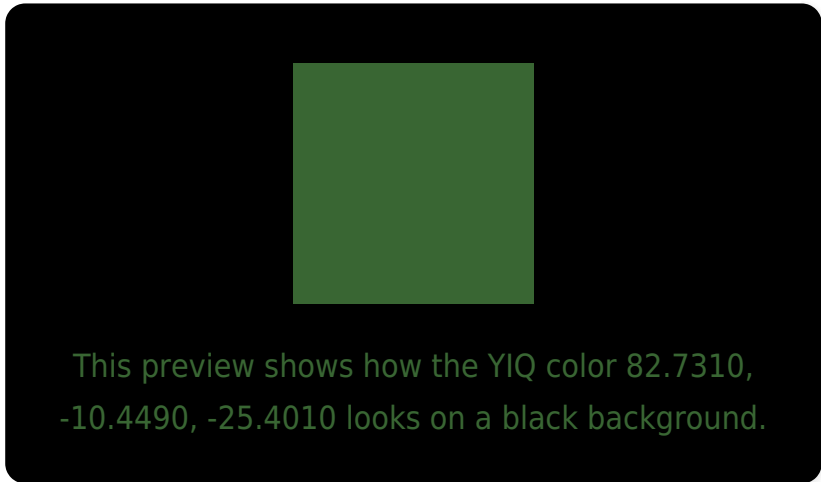
Any Text WCAG AA ✓ Pass

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

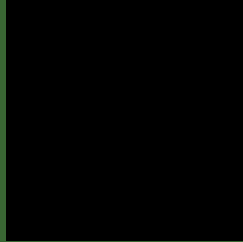
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 82.7310, -10.4490, -25.4010

## Background



This preview shows how black text looks on a background with the YIQ color 82.7310, -10.4490, -25.4010.



This preview shows how white text looks on a background with the YIQ color 82.7310, -10.4490,



# 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

82.7310, -10.4490, -25.4010

### Protanopia

88.9740, 20.0840, -11.5640

### Deuteranopia

90.5280, 24.5760, -4.8640



## Tritanopia

88.2410, -19.8520, -3.6600

# Trichromacy



## Original Color

82.7310, -10.4490, -25.4010

## Protanomaly

86.6520, 9.1270, -16.7370

## Deuteranomaly

87.3690, 11.6020, -12.0300

## Tritanomaly

86.0530, -16.6870, -11.4630

# Monochromacy



## Original Color

82.7310, -10.4490, -25.4010

## Achromatopsia

83.0000, -0.0000, 0.0000

## Achromatomaly

83.0500, -3.4370, -9.3010

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 82.7310, -10.4490, -25.4010 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(57, 102, 51)` looks like.

```
.text, #text, p{  
    color:rgb(57, 102, 51)  
}
```

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(57, 102, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 102, 51) }
```

## Border

The CSS property to change the border of an element to YIQ 82.7310, -10.4490, -25.4010 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(57, 102, 51) }
```



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

```
.border{ border-color:rgb(57, 102, 51) }
```

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

Here you see how a box with a 4 pixel rgb(57, 102, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 102, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 102, 51);  
box-shadow:4px 4px 4px 4px rgb(57, 102,  
51) }
```

# Background

The CSS property to change the background color of an element to YIQ 82.7310, -10.4490, -25.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 102, 51) }
```

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

```
.background{ background-color: rgb(57, 102,  
51) }
```

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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