

# Converting Colors

YIQ(89.3700, -26.8110,  
-59.2830)

Have a look what the booklet for  
YIQ(89.3700, -26.8110, -59.2830)  
contains.

<b>YIQ(89.3700, -26.8110, -59.2830)</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(89.3700, -26.8110,  
-59.2830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B8712
RGB	27, 135, 18
RGB Percent	11%, 53%, 7%
CMY	0.8944, 0.4704, 0.9294
CMYK	0.80, 0.00, 0.87, 0.47
HSL	115°, 76%, 30%
HSV	115°, 87%, 53%
XYZ	9.2292, 17.6161, 3.4859
YIQ	89.3700, -26.8110, -59.2830

# Conversions

## Conversions Part 2

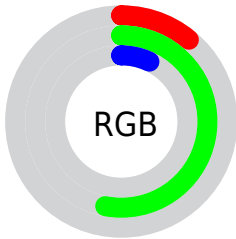
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 135, 126
Decimal	1804050
CIE <sub>Lab</sub>	49.03, -50.47, 48.61
CIE <sub>LCh</sub>	49, 70.075, 136.078
Yxy	17.6161, 0.3043, 0.5808
Android (android.graphics.Color)	4279994130 (0xFF1B8712)
YUV	89.3700, -35.1854, -54.6985
Hunter-Lab	41.9715, -34.1994, 24.4558

# Details

The YIQ color **89.3700, -26.8110, -59.2830** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **63.6300, 26.8110, 59.2830**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **147.1860, -20.3010, -56.1170**, and **49.3080, -23.1000, -43.9320** is the 20% darker color. If you saturate the color by 10%, you get **83.8870, -30.0650, -66.3930**, and if you desaturate by 10%, it is **94.5540, -24.1530, -52.3850**.

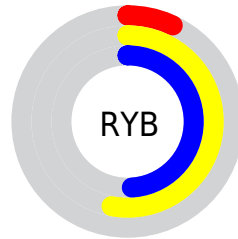
# Distribution



Red (11%)

Green (53%)

Blue (7%)



Red (7%)

Yellow (53%)

Blue (49%)

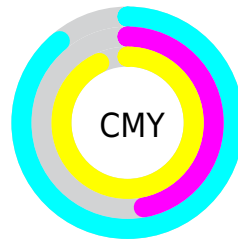


Cyan (80%)

Magenta (0%)

Yellow (87%)

Black (47%)



Cyan (89%)

Magenta (47%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 89.3700, -26.8110, -59.2830 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 89.3700, -26.8110, -59.2830 by changing the saturation by 10% instead.



■ 89.3700, -26.8110,  
-59.2830

■ 89.3700, -26.8110,  
-59.2830

■ 255.0000, -0.0000,  
-0.0000

■ 63.9830, -29.9750,  
-57.0070

■ 147.1860,  
-20.3010, -56.1170

■ 49.3080, -23.1000,  
-43.9320

■ 175.5450,  
-19.9340, -57.2620

■ 34.6330, -16.2250,  
-30.8570

■ 204.3170,  
-19.2920, -57.8840

■ 21.7190, -10.1750,  
-19.3510

■ 220.7620,  
-12.8750, -47.5230

■ 0.0000, 0.0000,  
0.0000

■ 232.5110, -4.2580,  
-32.9780

■ 244.6730, 4.6340,

-17.9100

■ 253.0620, 5.4570,  
-5.2870

■ 89.3700, -26.8110,  
-59.2830

■ 89.3700, -26.8110,  
-59.2830

■ 83.8870, -30.0650,  
-66.3930

■ 94.5540, -24.1530,  
-52.3850

■ 82.2350, -31.1650,  
-68.4850

■ 99.9230, -20.5780,  
-45.5860

■ 105.1070,  
-17.9200, -38.6880

■ 110.4760,  
-14.3450, -31.8890

■ 115.6600,  
-11.6870, -24.9910

■ 121.0290, -8.1120,  
-18.1920

■ 126.2130, -5.4540,  
-11.2940

■ 131.5820, -1.8790,  
-4.4950

■ 136.7660, 0.7790,  
2.4030

# Harmonies

## Analogous

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



106.2760, 32.6520, -41.1080



89.3700, -26.8110, -59.2830



92.5710, -66.3810, -46.9970

# Triad

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



89.3700, -26.8110, -59.2830



103.4590, -110.8180, 3.9500



101.3410, 90.1760, 50.7840

# Complementary

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



89.3700, -26.8110, -59.2830



63.6300, 26.8110, 59.2830

# 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.



107.4140, 62.7100, 63.9740



89.3700, -26.8110, -59.2830



93.0780, -104.9510, 13.2650

# Square

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



89.3700, -26.8110, -59.2830



105.2080, -103.3420, -10.3980



118.4640, 6.5470, 52.0750



107.8430, 90.1370, 12.9290



# Rectangle

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



89.3700, -26.8110, -59.2830



97.8320, -79.8170, -34.7690



118.4640, 6.5470, 52.0750



101.1590, 85.1770, 58.7850

# Sweetspot

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



89.3700, -26.8110, -59.2830



158.1980, -10.2660, -23.2100



115.7920, 40.3070, -31.1570



78.4470, -6.2330, -13.6970



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



89.3700, -26.8110, -59.2830



107.1990, -40.6520, -89.2920



92.2650, -47.9040, -45.9520



63.5220, -1.6500, -3.1380



79.3000, -29.7900, -65.8700



1.7610, -0.8250, -1.5690



# Inverse Universe

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



63.6300, 26.8110, 59.2830



68.8010, 40.6520, 89.2920



60.7350, 47.9040, 45.9520



62.4780, 1.6500, 3.1380



50.7000, 29.7900, 65.8700

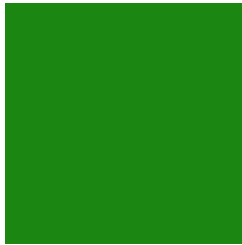


0.9400, 0.2290, 1.3570



# Previews

## White Background



This preview shows how the YIQ color 89.3700, -26.8110, -59.2830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

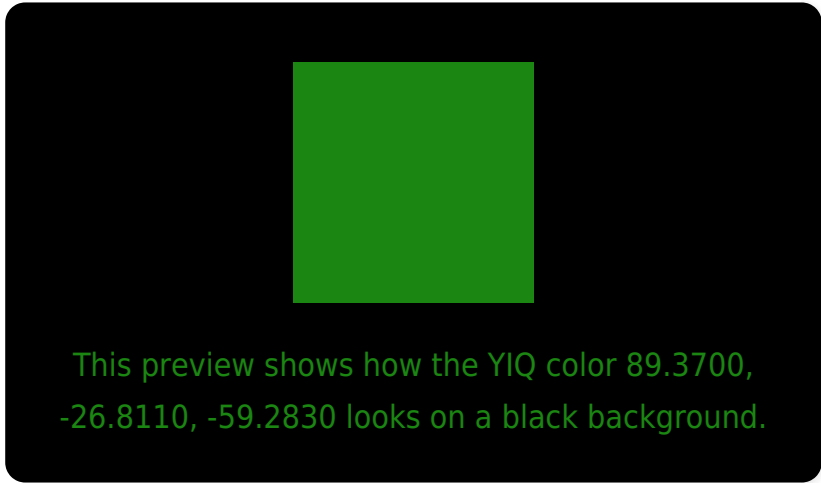
Any Text WCAG AA ✓ Pass

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 ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 89.3700, -26.8110, -59.2830

## Background



This preview shows how black text looks on a background with the YIQ color 89.3700, -26.8110, -59.2830.



This preview shows how white text looks on a background with the YIQ color 89.3700, -26.8110,



# 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

89.3700, -26.8110, -59.2830

### Protanopia

108.6290, 42.3240, -29.1640

### Deuteranopia

111.6870, 45.5770, -16.5270



## Tritanopia

107.7050, -41.9500, -10.6700

# Trichromacy



## Original Color

89.3700, -26.8110, -59.2830

## Protanomaly

101.6040, 17.1090, -40.2590

## Deuteranomaly

103.5430, 19.0790, -31.9050

## Tritanomaly

100.9760, -36.1240, -28.1560

# Monochromacy



## Original Color

89.3700, -26.8110, -59.2830

## Achromatopsia

89.0000, -0.0000, -0.0000

## Achromatomaly

89.1380, -10.0370, -21.8530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 89.3700, -26.8110, -59.2830 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(27, 135, 18)` looks like.

```
.text, #text, p{  
    color:rgb(27, 135, 18)  
}
```

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(27, 135, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 135, 18) }
```

## Border

The CSS property to change the border of an element to YIQ 89.3700, -26.8110, -59.2830 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(27, 135, 18) }
```



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

```
.border{ border-color:rgb(27, 135, 18) }
```

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

Here you see how a box with a 4 pixel rgb(27, 135, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 135, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 135, 18);  
box-shadow:4px 4px 4px 4px rgb(27, 135,  
18) }
```

# Background

The CSS property to change the background color of an element to YIQ 89.3700, -26.8110, -59.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 135, 18) }
```

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

```
.background{ background-color: rgb(27, 135,  
18) }
```

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