

# Converting Colors

YIQ(157.9500, 36.6860,  
-37.1220)

Have a look what the booklet for  
YIQ(157.9500, 36.6860, -37.1220)  
contains.

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# Color

**YIQ(157.9500, 36.6860,  
-37.1220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAAC36
RGB	170, 172, 54
RGB Percent	67%, 67%, 21%
CMY	0.3334, 0.3255, 0.7880
CMYK	0.01, 0.00, 0.69, 0.33
HSL	61°, 52%, 44%
HSV	61°, 69%, 67%
XYZ	31.9932, 38.3160, 9.2070
YIQ	157.9500, 36.6860, -37.1220

# Conversions

## Conversions Part 2

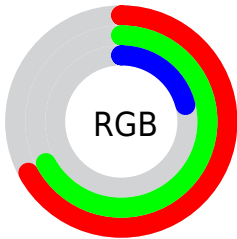
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 172, 56
Decimal	11185206
CIELab	68.25, -15.35, 57.48
CIElCh	68, 59.493, 104.950
Yxy	38.3160, 0.4023, 0.4819
Android (android.graphics.Color)	4289375286 (0xFFAAAC36)
YUV	157.9500, -51.2473, 10.5679
Hunter-Lab	61.8999, -16.0666, 34.5112

# Details

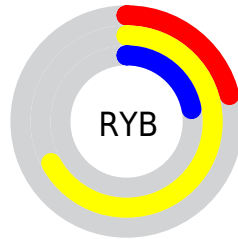
The YIQ color **157.9500, 36.6860, -37.1220** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **68.0500, -36.6860, 37.1220**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **213.7330, 38.7950, -36.7970**, and **104.5260, 34.9440, -38.5920** is the 20% darker color. If you saturate the color by 10%, you get **156.0120, 42.1430, -42.4090**, and if you desaturate by 10%, it is **159.8880, 31.2290, -31.8350**.

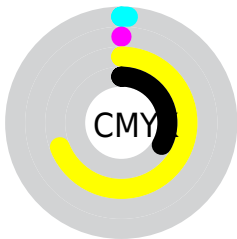
# Distribution



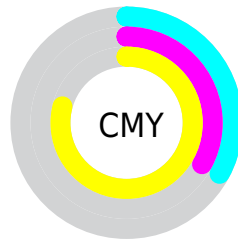
- Red (67%)
- Green (67%)
- Blue (21%)



- Red (21%)
- Yellow (67%)
- Blue (22%)



- Cyan (1%)
- Magenta (0%)
- Yellow (69%)
- Black (33%)



- Cyan (33%)
- Magenta (33%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 157.9500, 36.6860, -37.1220 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 157.9500, 36.6860, -37.1220 by changing the saturation by 10% instead.



■ 157.9500, 36.6860,  
-37.1220

■ 157.9500, 36.6860,  
-37.1220

■ 255.0000, -0.0000,  
-0.0000

■ 130.8960, 36.7780,  
-38.7900

■ 213.7330, 38.7950,  
-36.7970

■ 104.5260, 34.9440,  
-38.5920

■ 241.3200, 38.5200,  
-37.3200

■ 82.0770, 26.3230,  
-31.0290

■ 244.3980, 29.8530,  
-28.9230

■ 60.8020, 17.1520,  
-24.5120

■ 247.5900, 20.8650,  
-20.2150

■ 39.5270, 7.9810,  
-17.9950

■ 250.8960, 11.5560,  
-11.1960

■ 18.8170, -4.3990,  
-13.8950

■ 254.2020, 2.2470,

■ 0.0000, 0.0000,

-2.1770

0.0000

■ 157.9500, 36.6860,  
-37.1220

■ 157.9500, 36.6860,  
-37.1220

■ 156.0120, 42.1430,  
-42.4090

■ 159.8880, 31.2290,  
-31.8350

■ 153.7750, 47.0040,  
-47.9080

■ 162.1250, 26.3680,  
-26.3360

■ 151.7230, 52.7820,  
-53.5060

■ 164.1770, 20.5900,  
-20.7380

■ 151.4950, 53.4240,  
-54.1280

■ 166.1150, 15.1330,  
-15.4510

■ 168.0530, 9.6760,  
-10.1640

■ 170.2900, 4.8150,  
-4.6650

■ 172.2280, -0.6420,  
0.6220

■ 174.2800, -6.4200,  
6.2200

■ 176.5170,  
-11.2810, 11.7190

# Harmonies

## Analogous

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



162.1920, 68.9600, -16.2880



157.9500, 36.6860, -37.1220



150.4030, -13.2420, -46.3780

# Triad

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



157.9500, 36.6860, -37.1220



139.0040, -129.6110, -24.4190



169.0070, 53.1300, 50.3620

# Complementary

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



157.9500, 36.6860, -37.1220



68.0500, -36.6860, 37.1220

# 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.



171.4650, 4.8060, 45.0780



157.9500, 36.6860, -37.1220



134.7300, -131.3550, -14.8350

# Square

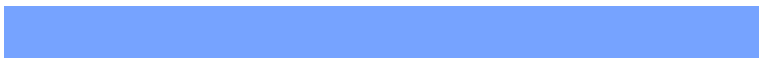
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



157.9500, 36.6860, -37.1220



135.1790, -114.7070, -41.2270



160.0330, -56.3520, 19.0720



161.6990, 73.9480, 36.5080



# Rectangle

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



157.9500, 36.6860, -37.1220



136.7680, -65.7380, -53.1460



160.0330, -56.3520, 19.0720



170.2920, 39.1460, 50.4900

# Sweetspot

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



157.9500, 36.6860, -37.1220



218.6420, 15.0870, -14.6170



90.4560, 69.7780, 23.9700



108.8080, 8.9880, -8.7080



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



157.9500, 36.6860, -37.1220



202.1270, 57.2760, -57.8600



140.3090, 1.5220, -49.6300



85.9740, 2.8890, -2.7990



132.3020, 46.9580, -47.0740



20.3780, 7.3830, -7.1530



# Inverse Universe

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



68.0500, -36.6860, 37.1220



62.1720, -56.6800, 58.0720



85.6910, -1.5220, 49.6300



79.0260, -2.8890, 2.7990



17.9970, -46.3620, 47.2860



2.6220, -7.3830, 7.1530



# Previews

## White Background



This preview shows how the YIQ color 157.9500, 36.6860, -37.1220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

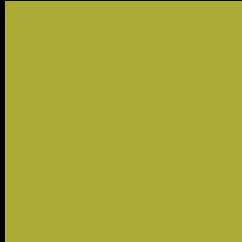
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 157.9500, 36.6860, -37.1220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

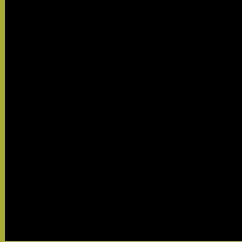
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 157.9500, 36.6860, -37.1220

## Background



This preview shows how black text looks on a background with the YIQ color 157.9500, 36.6860, -37.1220.



This preview shows how white text looks on a background with the YIQ color 157.9500, 36.6860,



# 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

157.9500, 36.6860, -37.1220

### Protanopia

159.6850, 47.9180, -31.4260

### Deuteranopia

161.6640, 61.5790, -20.1890



## Tritanopia

168.3480, 8.0680, 7.9720

# Trichromacy



## Original Color

157.9500, 36.6860, -37.1220

## Protanomaly

159.0650, 43.7920, -33.7440

## Deuteranomaly

160.1850, 52.5020, -26.3940

## Tritanomaly

164.5980, 18.3870, -8.3410

# Monochromacy



## Original Color

157.9500, 36.6860, -37.1220

## Achromatopsia

158.0000, -0.0000, 0.0000

## Achromatomaly

157.7990, 13.2070, -13.5850

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 157.9500, 36.6860, -37.1220 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(170, 172, 54)` looks like.

```
.text, #text, p{  
    color:rgb(170, 172, 54)  
}
```

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(170, 172, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 172, 54) }
```

## Border

The CSS property to change the border of an element to YIQ 157.9500, 36.6860, -37.1220 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(170, 172, 54) }
```



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

```
.border{ border-color:rgb(170, 172, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 172, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 172, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 172, 54);  
box-shadow:4px 4px 4px 4px rgb(170, 172,  
54) }
```

# Background

The CSS property to change the background color of an element to YIQ 157.9500, 36.6860, -37.1220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 172, 54) }
```

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

```
.background{ background-color: rgb(170,  
172, 54) }
```

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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