

# Converting Colors

YIQ(137.4340, 3.8090, -19.4790)

Have a look what the booklet for  
YIQ(137.4340, 3.8090, -19.4790)  
contains.

<b>YIQ(137.4340, 3.8090, -19.4790)</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(137.4340, 3.8090,  
-19.4790)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	819564
RGB	129, 149, 100
RGB Percent	51%, 58%, 39%
CMY	0.4942, 0.4156, 0.6078
CMYK	0.13, 0.00, 0.33, 0.42
HSL	85°, 20%, 49%
HSV	85°, 33%, 58%
XYZ	22.0999, 27.0834, 16.1229
YIQ	137.4340, 3.8090, -19.4790

# Conversions

## Conversions Part 2

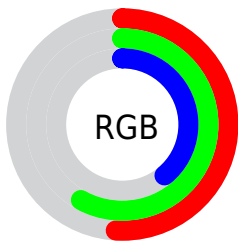
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 149, 120
Decimal	8492388
CIELab	59.05, -16.04, 23.59
CIELCh	59, 28.526, 124.212
Yxy	27.0834, 0.3384, 0.4147
Android (android.graphics.Color)	4286682468 (0xFF819564)
YUV	137.4340, -18.4550, -7.3966
Hunter-Lab	52.0418, -15.2718, 18.0608

# Details


The YIQ color  $137.4340, 3.8090, -19.4790$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $111.5660, -3.8090, 19.4790$ , and the grayscale version is  $138.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $190.7930, 4.1760, -20.6240$ , and  $87.1890, 3.1210, -18.0230$  is the 20% darker color. If you saturate the color by 10%, you get  $133.9300, 5.0480, -25.4160$ , and if you desaturate by 10%, it is  $140.9380, 2.5700, -13.5420$ .

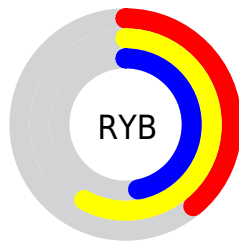
# Distribution



 Red (51%)

 Green (58%)

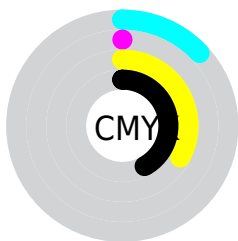
 Blue (39%)




 Red (39%)

 Yellow (58%)

 Blue (47%)

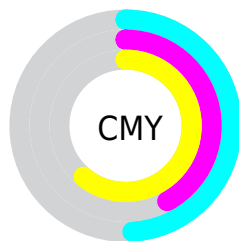



 Cyan (13%)


 Magenta (0%)

 Yellow (33%)

 Black (42%)



 Cyan (49%)

 Magenta (42%)

 Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 137.4340, 3.8090, -19.4790 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 137.4340, 3.8090, -19.4790 by changing the saturation by 10% instead.




 137.4340, 3.8090,  
-19.4790

 137.4340, 3.8090,  
-19.4790


255.0000, -0.0000,  
-0.0000


 111.6620, 3.1670,  
-18.8570


 190.7930, 4.1760,  
-20.6240


 87.1890, 3.1210,  
-18.0230


 218.6790, 4.4970,  
-20.9350


 63.3030, 2.8000,  
-17.7120

 244.6300, 6.1930,  
-18.6310

 41.1890, 3.1210,  
-18.0230

 252.6060, 6.7410,  
-6.5310

 20.8880, -3.1610,  
-14.3050

 0.0000, 0.0000,  
0.0000

■ 137.4340, 3.8090,  
-19.4790

■ 137.4340, 3.8090,  
-19.4790

■ 133.9300, 5.0480,  
-25.4160

■ 140.9380, 2.5700,  
-13.5420

■ 130.4260, 6.2870,  
-31.3530

■ 144.4420, 1.3310,  
-7.6050

■ 126.9220, 7.5260,  
-37.2900

■ 147.9460, 0.0920,  
-1.6680

■ 123.4180, 8.7650,  
-43.2270

■ 151.4500, -1.1470,  
4.2690

■ 120.0280, 9.6830,  
-48.8530

■ 154.9540, -2.3860,  
10.2060

■ 116.2250, 10.3260,  
-55.0020

■ 158.6430, -2.7080,  
16.0440

■ 113.7750, 11.4730,  
-59.2710

■ 162.1470, -3.9470,  
21.9810

■ 165.6510, -5.1860,

27.9180

■ 169.1550, -6.4250,  
33.8550

# Harmonies

## Analogous

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



140.4860, 24.3940, -12.5820



137.4340, 3.8090, -19.4790



133.6790, -21.8660, -22.2340

# Triad

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



137.4340, 3.8090, -19.4790



132.6790, -56.2560, -4.7040



144.8570, 34.7960, 19.1800

# Complementary

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



137.4340, 3.8090, -19.4790



111.5660, -3.8090, 19.4790

# 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.



146.1680, 17.9230, 22.1070



137.4340, 3.8090, -19.4790



139.9150, -33.0130, 9.0910

# Square

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



137.4340, 3.8090, -19.4790



126.9950, -63.4980, -16.6340



144.4840, -6.5140, 18.9420



143.8820, 41.6750, 10.1470



# Rectangle

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



137.4340, 3.8090, -19.4790



130.4090, -38.6010, -21.8090



144.4840, -6.5140, 18.9420



145.8720, 30.4400, 21.0320

# Sweetspot

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



137.4340, 3.8090, -19.4790



189.3280, 1.6520, -7.9160



126.3910, 23.7040, -0.0720



94.1370, 0.8720, -4.7920



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



137.4340, 3.8090, -19.4790



176.0670, 5.9200, -30.2080



130.2580, -10.4950, -24.5670



72.3050, 0.4590, -2.8130



105.2250, 10.3260, -55.0020



7.6640, 0.8260, -3.9580



# Inverse Universe

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



111.5660, -3.8090, 19.4790



135.9330, -5.9200, 30.2080



118.7420, 10.4950, 24.5670



68.6950, -0.4590, 2.8130



32.4760, -10.9220, 54.7900



2.3360, -0.8260, 3.9580



# Previews

## White Background



This preview shows how the YIQ color 137.4340, 3.8090, -19.4790 looks on a white 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



# Black Background



This preview shows how the YIQ color 137.4340, 3.8090, -19.4790 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 × Fail

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

# YIQ 137.4340, 3.8090, -19.4790

## Background



This preview shows how black text looks on a background with the YIQ color 137.4340, 3.8090, -19.4790.



This preview shows how white text looks on a background with the YIQ color 137.4340, 3.8090,

-19.4790.

# 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

137.4340, 3.8090, -19.4790

### Protanopia

140.1590, 21.0010, -11.6630

### Deuteranopia

141.8060, 29.6650, -3.4790



## Tritanopia

141.8730, -6.8320, 2.6720

# Trichromacy



## Original Color

137.4340, 3.8090, -19.4790

## Protanomaly

139.3430, 14.4910, -14.8290

## Deuteranomaly

140.4410, 20.2670, -9.3730

## Tritanomaly

140.4570, -3.0250, -5.7530

# Monochromacy



## Original Color

137.4340, 3.8090, -19.4790

## Achromatopsia

137.0000, -0.0000, 0.0000

## Achromatomaly

136.9690, 1.2850, -6.7710

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 137.4340, 3.8090, -19.4790 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(129, 149, 100)` looks like.

```
.text, #text, p{  
    color:rgb(129, 149, 100)  
}
```

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(129, 149, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 149, 100) }
```

## Border

The CSS property to change the border of an element to YIQ 137.4340, 3.8090, -19.4790 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(129, 149, 100) }
```



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

```
.border{ border-color:rgb(129, 149, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 149, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 149, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 149, 100);  
box-shadow:4px 4px 4px 4px rgb(129, 149,  
100) }
```

# Background

The CSS property to change the background color of an element to YIQ 137.4340, 3.8090, -19.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 149, 100) }
```

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

```
.background{ background-color: rgb(129,  
149, 100) }
```

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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