

# Converting Colors

YIQ(146.1490, -37.2150,  
-79.9910)

Have a look what the booklet for  
YIQ(146.1490, -37.2150, -79.9910)  
contains.

<b>YIQ(146.1490, -37.2150, -79.9910)</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(146.1490, -37.2150,  
-79.9910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DD033
RGB	61, 208, 51
RGB Percent	24%, 82%, 20%
CMY	0.7612, 0.1841, 0.8000
CMYK	0.71, 0.00, 0.75, 0.18
HSL	116°, 63%, 51%
HSV	116°, 75%, 82%
XYZ	25.0857, 46.3691, 10.7592
YIQ	146.1490, -37.2150, -79.9910

# Conversions

## Conversions Part 2

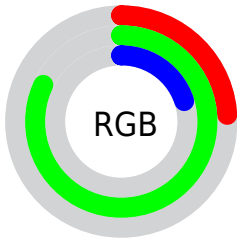
Format	Color
<a href="#">RYB</a>	<a href="#">51, 208, 198</a>
Decimal	<a href="#">4050995</a>
CIELab	<a href="#">73.78, -66.28, 62.34</a>
CIELCh	<a href="#">74, 90.987, 136.755</a>
Yxy	<a href="#">46.3691, 0.3051, 0.5640</a>
Android (android.graphics.Color)	<a href="#">4282241075 (0xFF3DD033)</a>
YUV	<a href="#">146.1490, -46.9085, -74.6757</a>
Hunter-Lab	<a href="#">68.0949, -53.4079, 38.2984</a>

# Details

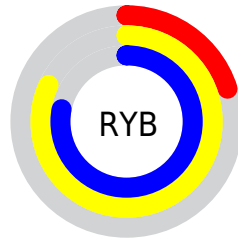
The YIQ color **146.1490, -37.2150, -79.9910** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **112.8510, 37.2150, 79.9910**, and the grayscale version is **147.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **200.5680, -27.9090, -72.4290**, and **89.2240, -41.8000, -79.4960** is the 20% darker color. If you saturate the color by 10%, you get **137.7750, -42.3940, -90.7620**, and if you desaturate by 10%, it is **154.2240, -32.6320, -69.4320**.

# Distribution



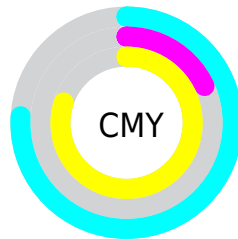
- Red (24%)
- Green (82%)
- Blue (20%)



- Red (20%)
- Yellow (82%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (75%)
- Black (18%)



- Cyan (76%)
- Magenta (18%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 146.1490, -37.2150, -79.9910 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 146.1490, -37.2150, -79.9910 by changing the saturation by 10% instead.



■ 146.1490,  
-37.2150, -79.9910

■ 146.1490,  
-37.2150, -79.9910

■ 255.0000, -0.0000,  
-0.0000

■ 107.1420,  
-53.6730, -90.0970

■ 200.5680,  
-27.9090, -72.4290

■ 89.2240, -41.8000,  
-79.4960

■ 213.0290,  
-18.4210, -57.1490

■ 73.3750, -34.3750,  
-65.3750

■ 225.1910, -9.5290,  
-42.0810

■ 58.1130, -27.2250,  
-51.7770

■ 237.6520, -0.0410,  
-26.8010

■ 42.8510, -20.0750,  
-38.1790

■ 250.2270, 9.1260,  
-11.2100

■ 29.3500, -13.7500,  
-26.1500

■ 254.5440, 1.2840,

■ 12.9140, -6.0500,

-1.2440

-11.5060

■ 0.0000, 0.0000,  
0.0000

■ 146.1490,  
-37.2150, -79.9910

■ 146.1490,  
-37.2150, -79.9910

■ 137.7750,  
-42.3940, -90.7620

■ 154.2240,  
-32.6320, -69.4320

■ 129.7000,  
-46.9770, -101.3210

■ 162.5980,  
-27.4530, -58.6610

■ 125.9830,  
-49.4520, -106.0280


■ 170.5590,  
-22.5490, -48.4130


■ 178.9330,  
-17.3700, -37.6420

■ 187.0080,  
-12.7870, -27.0830

 195.3820, -7.6080,  
-16.3120

 203.4570, -3.0250,  
-5.7530

 211.7170, 2.4750,  
4.7070

 219.7920, 7.0580,  
15.2660

# Harmonies

## Analogous

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



164.7300, 50.9040, -63.5280



146.1490, -37.2150, -79.9910



142.7520, -104.3400, -69.4280

# Triad

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



146.1490, -37.2150, -79.9910



147.6440, -137.4050, -26.3410



143.7470, 83.1610, 51.2650

# Complementary

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



146.1490, -37.2150, -79.9910



112.8510, 37.2150, 79.9910

# 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.



155.5570, 55.4180, 74.9860



146.1490, -37.2150, -79.9910



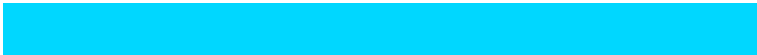
153.3230, -87.0680, 3.0440

# Square

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



146.1490, -37.2150, -79.9910



155.2750, -140.9800, -33.1400



180.6730, 25.2520, 60.0040



156.3460, 98.6660, 7.0340

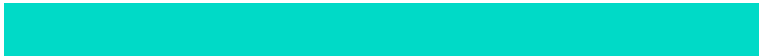


# Rectangle

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



146.1490, -37.2150, -79.9910



150.6520, -123.8290, -52.1250



180.6730, 25.2520, 60.0040



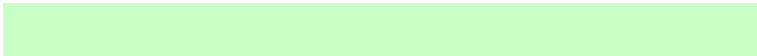
143.3030, 76.1440, 62.8000

# Sweetspot

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



146.1490, -37.2150, -79.9910



231.8290, -13.8410, -30.0090



184.2320, 53.1470, -43.5970



113.7300, -8.7080, -18.4040



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

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



146.1490, -37.2150, -79.9910



163.6690, -54.8600, -118.1560



150.9110, -65.0030, -60.9630



100.7560, -2.4290, -5.5410



101.9050, -39.6440, -85.5320



24.9640, -9.4870, -20.8070



# Inverse Universe

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



112.8510, 37.2150, 79.9910



114.3310, 54.8600, 118.1560



108.0890, 65.0030, 60.9630



98.2440, 2.4290, 5.5410



66.3940, 40.2400, 85.7440



16.0360, 9.4870, 20.8070



# Previews

## White Background



This preview shows how the YIQ color 146.1490, -37.2150, -79.9910 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 146.1490, -37.2150, -79.9910 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 146.1490, -37.2150, -79.9910 Background



This preview shows how black text looks on a background with the YIQ color 146.1490, -37.2150, -79.9910.



This preview shows how white text looks on a background with the YIQ color 146.1490, -37.2150,

-79.9910.

# 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

146.1490, -37.2150, -79.9910

### Protanopia

171.0740, 56.7680, -37.6320

### Deuteranopia

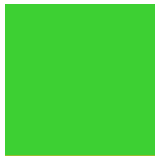
174.8770, 65.2930, -21.4190



## Tritanopia

168.3160, -59.9680, -14.5280

# Trichromacy



## Original Color

146.1490, -37.2150, -79.9910



## Protanomaly

162.0370, 22.6590, -52.7410



## Deuteranomaly

164.2970, 28.1590, -42.2810



## Tritanomaly

160.1540, -51.6650, -38.3610

# Monochromacy



## Original Color

146.1490, -37.2150, -79.9910



## Achromatopsia

146.0000, -0.0000, -0.0000



## Achromatomaly

146.2420, -13.5660, -29.4860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 146.1490, -37.2150, -79.9910 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, 208, 51)` looks like.

```
.text, #text, p{  
    color:rgb(61, 208, 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(61, 208, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 208, 51) }
```

## Border

The CSS property to change the border of an element to YIQ 146.1490, -37.2150, -79.9910 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, 208, 51) }
```



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

```
.border{ border-color:rgb(61, 208, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 208, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 208, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 208, 51);  
box-shadow:4px 4px 4px 4px rgb(61, 208,  
51) }
```

# Background

The CSS property to change the background color of an element to YIQ 146.1490, -37.2150, -79.9910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 208, 51) }
```

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

```
.background{ background-color: rgb(61, 208,  
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](#).

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