

# Converting Colors

YIQ(165.5940, -67.4700,  
-109.8860)

Have a look what the booklet for  
YIQ(165.5940, -67.4700, -109.8860)  
contains.

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# Color

**YIQ(165.5940, -67.4700,  
-109.8860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21FF35
RGB	33, 255, 53
RGB Percent	13%, 100%, 21%
CMY	0.8712, 0.0000, 0.7922
CMYK	0.87, 0.00, 0.79, 0.00
HSL	125°, 100%, 56%
HSV	125°, 87%, 100%
XYZ	37.0238, 72.0974, 15.3296
YIQ	165.5940, -67.4700, -109.8860

# Conversions

## Conversions Part 2

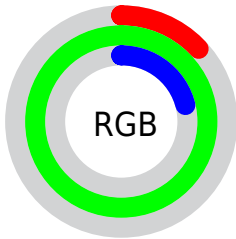
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 237, 255
Decimal	2228021
CIE <sub>Lab</sub>	88.02, -83.18, 75.29
CIE <sub>LCh</sub>	88, 112.197, 137.850
Yxy	72.0974, 0.2975, 0.5793
Android (android.graphics.Color)	4280418101 (0xFF21FF35)
YUV	165.5940, -55.5088, -116.2849
Hunter-Lab	84.9102, -70.7605, 48.7330

# Details

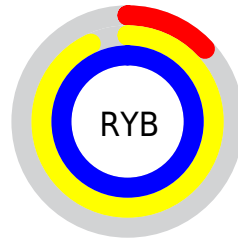
The YIQ color **165.5940, -67.4700, -109.8860** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **122.4060, 67.4700, 109.8860**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **200.4690, -31.9440, -70.8880**, and **115.0520, -53.9000, -102.5080** is the 20% darker color. If you saturate the color by 10%, you get **155.1980, -75.5830, -122.5510**, and if you desaturate by 10%, it is **175.6910, -59.9530, -97.4330**.

# Distribution



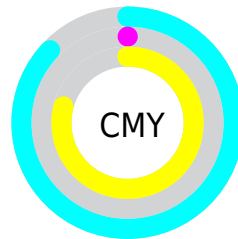
- Red (13%)
- Green (100%)
- Blue (21%)



- Red (13%)
- Yellow (93%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)



- Cyan (87%)
- Magenta (0%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 165.5940, -67.4700, -109.8860 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 165.5940, -67.4700, -109.8860 by changing the saturation by 10% instead.



■ 165.5940,  
-67.4700, -109.8860

■ 165.5940,  
-67.4700, -109.8860

■ 255.0000, -0.0000,  
-0.0000

■ 132.0750,  
-61.8750, -117.6750

■ 200.4690,  
-31.9440, -70.8880

■ 115.0520,  
-53.9000, -102.5080

■ 213.9410,  
-20.9890, -54.6610

■ 98.6160, -46.2000,  
-87.8640

■ 227.1140,  
-10.6300, -38.6460

■ 82.1800, -38.5000,  
-73.2200

■ 240.4010, -0.5920,  
-22.3200

■ 66.3310, -31.0750,  
-59.0990

■ 252.4920, 7.0620,  
-6.8420

■ 50.4820, -23.6500,  
-44.9780

■ 35.8070, -16.7750,

-31.9030

■ 20.5450, -9.6250,  
-18.3050

■ 0.0000, 0.0000,  
0.0000

■ 165.5940,  
-67.4700, -109.8860

■ 165.5940,  
-67.4700, -109.8860

■ 155.1980,  
-75.5830, -122.5510

■ 175.6910,  
-59.9530, -97.4330

■ 152.3070,  
-77.5080, -126.2120

■ 186.0870,  
-51.8400, -84.7680

■ 196.2980,  
-44.6440, -72.0040

■ 206.6940,  
-36.5310, -59.3390

■ 216.7910,  
-29.0140, -46.8860

■ 227.1870,  
-20.9010, -34.2210

■ 237.2840,  
-13.3840, -21.7680

■ 247.6800, -5.2710,  
-9.1030

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

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



199.2400, 57.5550, -79.4450



165.5940, -67.4700, -109.8860



169.2930, -125.3370, -79.8730

# Triad

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



165.5940, -67.4700, -109.8860



173.4720, -149.5050, -49.3530



149.3040, 74.4030, 55.8030

# Complementary

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



165.5940, -67.4700, -109.8860



122.4060, 67.4700, 109.8860

# 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.



162.2540, 43.4500, 82.6340



165.5940, -67.4700, -109.8860



176.5370, -94.2630, -15.2470

# Square

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



165.5940, -67.4700, -109.8860



178.7550, -151.9800, -54.0600



197.4740, 26.9500, 51.2540



170.3200, 92.3870, -5.8290



# Rectangle

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



165.5940, -67.4700, -109.8860



177.8430, -149.4120, -56.5480



197.4740, 26.9500, 51.2540



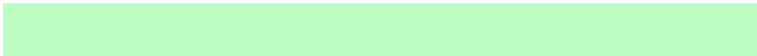
147.5380, 65.5970, 72.2290

# Sweetspot

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



165.5940, -67.4700, -109.8860



228.4260, -20.0760, -32.6520



224.0110, 59.9380, -73.0700



111.9360, -12.2840, -19.6760



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.



165.5940, -67.4700, -109.8860



152.3070, -77.5080, -126.2120



178.0200, -102.4590, -75.9870



122.7450, -3.8960, -6.4880



114.0550, -57.9820, -94.6060



38.2520, -19.5260, -31.6060



# Inverse Universe

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



122.4060, 67.4700, 109.8860



102.6930, 77.5080, 126.2120



109.8660, 102.7800, 75.6760



120.1410, 4.2170, 6.1770



76.9450, 57.9820, 94.6060

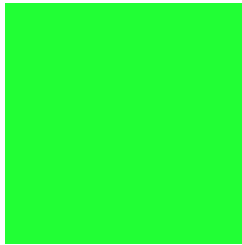


25.7480, 19.5260, 31.6060



# Previews

## White Background



This preview shows how the YIQ color 165.5940, -67.4700, -109.8860 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 165.5940, -67.4700, -109.8860 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

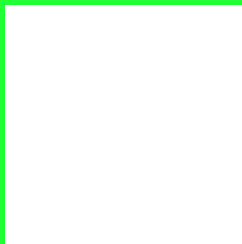
Any Text WCAG AAA ✓ Pass

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

# YIQ 165.5940, -67.4700, -109.8860 Background



This preview shows how black text looks on a background with the YIQ color 165.5940, -67.4700, -109.8860.



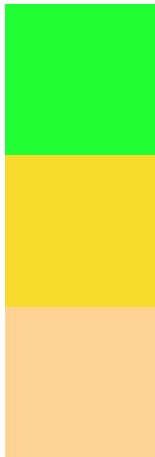
This preview shows how white text looks on a background with the YIQ color 165.5940, -67.4700, -109.8860.



# 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

165.5940, -67.4700, -109.8860

### Protanopia

207.1230, 72.2670, -48.7010

### Deuteranopia

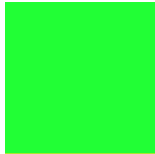
216.8600, 46.7680, -10.5760



## Tritanopia

203.4710, -76.7020, -19.6300

# Trichromacy



## Original Color

165.5940, -67.4700, -109.8860



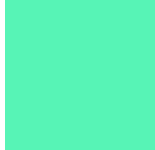
## Protanomaly

191.7740, 21.2410, -71.1030



## Deuteranomaly

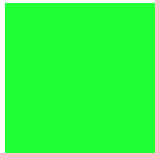
198.1570, 5.0060, -46.6900



## Tritanomaly

189.9890, -73.6700, -52.5660

# Monochromacy



## Original Color

165.5940, -67.4700, -109.8860



## Achromatopsia

166.0000, -0.0000, 0.0000



## Achromatomaly

165.7580, -24.2470, -39.6630

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 165.5940, -67.4700, -109.8860 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(33, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 53)  
}
```

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(33, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 53) }
```

## Border

The CSS property to change the border of an element to YIQ 165.5940, -67.4700, -109.8860 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(33, 255, 53) }
```



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

```
.border{ border-color:rgb(33, 255, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
53) }
```

# Background

The CSS property to change the background color of an element to YIQ 165.5940, -67.4700, -109.8860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 53) }
```

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

```
.background{ background-color: rgb(33, 255,  
53) }
```

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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