

# Converting Colors

YIQ(170.5860, -107.4090,  
-85.4010)

Have a look what the booklet for  
YIQ(170.5860, -107.4090, -85.4010)  
contains.

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# Color

**YIQ(170.5860, -107.4090,  
-85.4010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0FFF90
RGB	15, 255, 144
RGB Percent	6%, 100%, 56%
CMY	0.9418, 0.0000, 0.4356
CMYK	0.94, 0.00, 0.44, 0.00
HSL	152°, 100%, 53%
HSV	152°, 94%, 100%
XYZ	40.9818, 73.6312, 38.4031
YIQ	170.5860, -107.4090, -85.4010

# Conversions

## Conversions Part 2

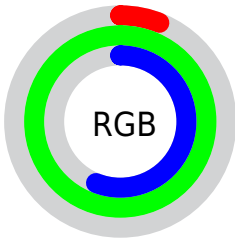
<b>Format</b>	<b>Color</b>
<b>RYB</b>	15, 171, 255
Decimal	1048464
CIELab	88.75, -73.76, 39.29
CIELCh	89, 83.577, 151.957
Yxy	73.6312, 0.2678, 0.4812
Android (android.graphics.Color)	4279238544 (0xFF0FFF90)
YUV	170.5860, -13.1069, -136.4489
Hunter-Lab	85.8086, -64.9143, 33.5312

# Details

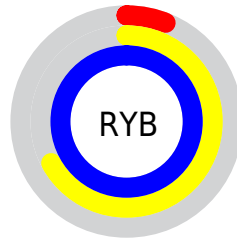
The YIQ color **170.5860, -107.4090, -85.4010** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle saturated spring green. A complement of this color would be **99.4140, 107.4090, 85.4010**, and the grayscale version is **171.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **207.6530, -63.6760, -46.4600**, and **126.1270, -83.7070, -74.4190** is the 20% darker color. If you saturate the color by 10%, you get **165.3030, -114.1020, -90.7580**, and if you desaturate by 10%, it is **179.4290, -96.3610, -76.3690**.

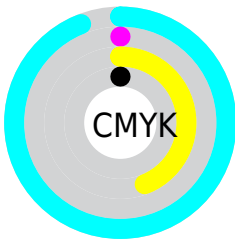
# Distribution



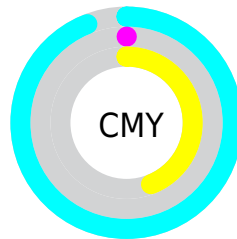
- Red (6%)
- Green (100%)
- Blue (56%)



- Red (6%)
- Yellow (67%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)



- Cyan (94%)
- Magenta (0%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 170.5860, -107.4090, -85.4010 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 170.5860, -107.4090, -85.4010 by changing the saturation by 10% instead.



■ 170.5860,  
-107.4090, -85.4010

■ 170.5860,  
-107.4090, -85.4010

■ 255.0000, -0.0000,  
-0.0000

■ 146.0000,  
-99.7070, -81.8110

■ 207.6530,  
-63.6760, -46.4600

■ 126.1270,  
-83.7070, -74.4190

■ 221.0110,  
-52.4000, -30.5440

■ 106.2540,  
-67.7070, -67.0270

■ 234.0700,  
-41.7200, -14.8400

■ 87.4410, -51.9360,  
-60.9920

■ 243.6380,  
-22.6480, -8.0560

■ 68.5140, -35.8440,  
-55.2680

■ 253.2060, -3.5760,  
-1.2720

■ 51.0690, -23.9250,  
-45.5010

■ 36.3940, -17.0500,

-32.4260

■ 21.7190, -10.1750,  
-19.3510

■ 0.0000, 0.0000,  
0.0000

■ 170.5860,  
-107.4090, -85.4010

■ 170.5860,  
-107.4090, -85.4010

■ 165.3030,  
-114.1020, -90.7580

■ 179.4290,  
-96.3610, -76.3690

■ 188.5710,  
-84.7170, -67.1250

■ 197.3000,  
-73.3480, -58.4040

■ 206.4420,  
-61.7040, -49.1600

■ 215.2850,  
-50.6560, -40.1280

■ 224.4270,  
-39.0120, -30.8840

■ 233.1560,  
-27.6430, -22.1630

■ 242.2980,  
-15.9990, -12.9190

■ 251.1410, -4.9510,  
-3.8870

# Harmonies

## Analogous

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



203.7120, 15.7840, -65.8160



170.5860, -107.4090, -85.4010



175.4490, -142.6710, -63.0790

# Triad

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



170.5860, -107.4090, -85.4010



164.0800, -145.1050, -40.9850



185.8800, 62.3520, 15.3760

# Complementary

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



170.5860, -107.4090, -85.4010



99.4140, 107.4090, 85.4010

# 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.



186.5540, 41.1640, 46.9560



170.5860, -107.4090, -85.4010



214.6530, 0.5000, 23.9880

# Square

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



170.5860, -107.4090, -85.4010



175.8200, -150.6050, -51.4450



201.5830, 25.0250, 47.5930



196.6670, 74.6920, -21.0520



# Rectangle

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



170.5860, -107.4090, -85.4010



178.7550, -151.9800, -54.0600



201.5830, 25.0250, 47.5930



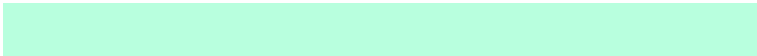
184.0340, 56.5270, 27.3350

# Sweetspot

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



170.5860, -107.4090, -85.4010



230.0090, -31.7230, -25.3150



189.3680, 0.7520, -101.7760



112.4500, -19.4830, -15.8590



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.



170.5860, -107.4090, -85.4010



165.3030, -114.1020, -90.7580



178.5440, -140.8400, -46.6960



123.4290, -5.8220, -4.6220



123.8590, -85.5880, -67.8600



41.4440, -28.5140, -22.8980



# Inverse Universe

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



99.4140, 107.4090, 85.4010



89.6970, 114.1020, 90.7580



91.4560, 140.8400, 46.6960



119.5710, 5.8220, 4.6220



67.1410, 85.5880, 67.8600

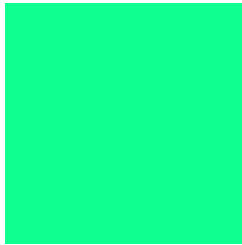


22.4420, 28.8350, 22.5870



# Previews

## White Background



This preview shows how the YIQ color 170.5860, -107.4090, -85.4010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

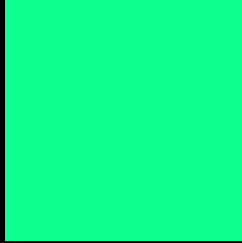
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 170.5860, -107.4090, -85.4010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

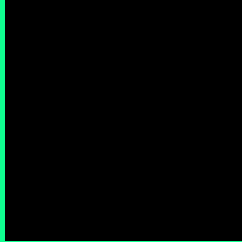
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

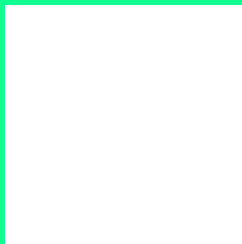
Any Text WCAG AAA ✓ Pass

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

# YIQ 170.5860, -107.4090, -85.4010 Background



This preview shows how black text looks on a background with the YIQ color 170.5860, -107.4090, -85.4010.



This preview shows how white text looks on a background with the YIQ color 170.5860, -107.4090, -85.4010.



# Color Blindness Simulation

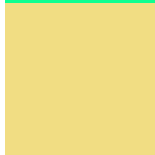
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

170.5860, -107.4090, -85.4010



### Protanopia

216.7200, 40.8100, -23.7500



### Deuteranopia

220.6560, 38.8350, -4.4690



## Tritanopia

206.7490, -71.6130, -18.2450

# Trichromacy



## Original Color

170.5860, -107.4090, -85.4010



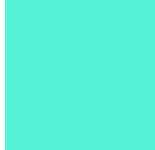
## Protanomaly

199.8160, -12.9670, -45.8550



## Deuteranomaly

202.4220, -14.2530, -33.5570



## Tritanomaly

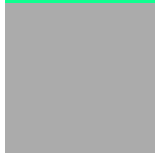
193.4520, -84.8590, -42.5150

# Monochromacy



## Original Color

170.5860, -107.4090, -85.4010



## Achromatopsia

171.0000, -0.0000, -0.0000



## Achromatomaly

171.0140, -39.2870, -31.4070

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 170.5860, -107.4090, -85.4010 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(15, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 144)  
}
```

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(15, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 144) }
```

## Border

The CSS property to change the border of an element to YIQ 170.5860, -107.4090, -85.4010 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(15, 255, 144) }
```



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

```
.border{ border-color:rgb(15, 255, 144) }
```

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

Here you see how a box with a 4 pixel rgb(15, 255, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
144) }
```

# Background

The CSS property to change the background color of an element to YIQ 170.5860, -107.4090, -85.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 144) }
```

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

```
.background{ background-color: rgb(15, 255,  
144) }
```

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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