

# Converting Colors

YIQ(163.9670, 27.7070,  
-78.1570)

Have a look what the booklet for  
YIQ(163.9670, 27.7070, -78.1570)  
contains.

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# Color

**YIQ(163.9670, 27.7070,  
-78.1570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ECF00
RGB	142, 207, 0
RGB Percent	56%, 81%, 0%
CMY	0.4434, 0.1881, 0.9996
CMYK	0.31, 0.00, 1.00, 0.19
HSL	79°, 100%, 41%
HSV	79°, 100%, 81%
XYZ	33.4626, 50.3832, 7.9632
YIQ	163.9670, 27.7070, -78.1570

# Conversions

## Conversions Part 2

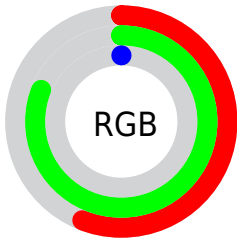
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 207, 65
Decimal	9359104
CIELab	76.30, -44.81, 75.51
CIELCh	76, 87.799, 120.685
Yxy	50.3832, 0.3645, 0.5488
Android (android.graphics.Color)	4287549184 (0xFF8ECF00)
YUV	163.9670, -80.8357, -19.2651
Hunter-Lab	70.9811, -40.0667, 43.0351

# Details

The YIQ color **163.9670, 27.7070, -78.1570** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **43.0330, -27.7070, 78.1570**, and the grayscale version is **165.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **219.3600, 22.7070, -64.6290**, and **114.3400, 8.2640, -61.6880** is the 20% darker color. If you saturate the color by 10%, you get **163.9670, 27.7070, -78.1570**, and if you desaturate by 10%, it is **168.1550, 24.5420, -70.3540**.

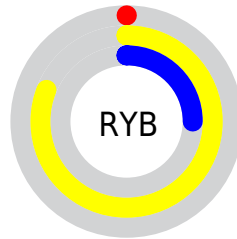
# Distribution



Red (56%)

Green (81%)

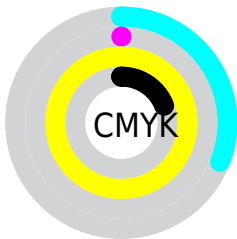
Blue (0%)



Red (0%)

Yellow (81%)

Blue (25%)

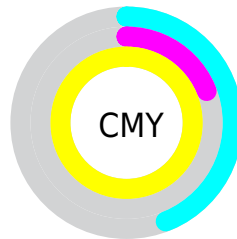


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (44%)

Magenta (19%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 163.9670, 27.7070, -78.1570 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 163.9670, 27.7070, -78.1570 by changing the saturation by 10% instead.



163.9670, 27.7070,  
-78.1570

163.9670, 27.7070,  
-78.1570

255.0000, -0.0000,  
-0.0000

138.8600, 18.1230,  
-69.6610

219.3600, 22.7070,  
-64.6290

114.3400, 8.2640,  
-61.6880

231.6360, 31.2780,  
-49.2500

90.1080, -2.4660,  
-54.4500

242.1180, 36.2730,  
-35.1430

62.8860, -19.1560,  
-49.3320

245.4240, 26.9640,  
-26.1240

44.6120, -20.9000,  
-39.7480

248.7300, 17.6550,  
-17.1050

30.5240, -14.3000,  
-27.1960

252.0360, 8.3460,

17.6100, -8.2500,

-8.0860

-15.6900

■ 0.0000, 0.0000,  
0.0000

■ 163.9670, 27.7070,  
-78.1570

■ 168.1550, 24.5420,  
-70.3540

■ 172.6420, 21.9730,  
-62.3390

■ 176.7160, 19.1290,  
-54.8470

■ 181.2030, 16.5600,  
-46.8320

■ 185.3910, 13.3950,  
-39.0290

■ 189.7640, 11.1470,  
-31.3250

■ 194.2510, 8.5780,  
-23.3100

■ 198.4390, 5.4130,  
-15.5070

■ 202.8120, 3.1650,  
-7.8030

# Harmonies

## Analogous

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



175.2720, 82.0330, -49.4790



163.9670, 27.7070, -78.1570



140.2950, -93.2880, -82.5040

# Triad

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



163.9670, 27.7070, -78.1570



155.8620, -141.2550, -33.6630



156.0180, 63.7650, 61.3730

# Complementary

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



163.9670, 27.7070, -78.1570



43.0330, -27.7070, 78.1570

# 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.



178.6900, 35.7500, 67.9900



163.9670, 27.7070, -78.1570



145.2960, -136.3050, -24.2490

# Square

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



163.9670, 27.7070, -78.1570



160.5580, -143.4550, -37.8470



181.8270, -17.2450, 31.7070



156.2900, 85.0450, 28.1250



# Rectangle

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



163.9670, 27.7070, -78.1570



149.0270, -112.3640, -67.1800



181.8270, -17.2450, 31.7070



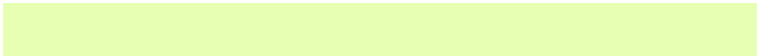
161.4440, 53.9980, 67.6780

# Sweetspot

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



163.9670, 27.7070, -78.1570



239.1600, 10.0920, -28.7240



98.2870, 106.3220, 11.4580



118.2710, 5.8260, -17.4860



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.



163.9670, 27.7070, -78.1570



202.0100, 34.1750, -96.2650



133.7680, -32.4890, -99.5690



102.5500, 1.1470, -4.2690



133.0010, 22.3400, -63.4840



32.4390, 5.4130, -15.5070



# Inverse Universe

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



43.0330, -27.7070, 78.1570



52.9900, -34.1750, 96.2650



73.2320, 32.4890, 99.5690



96.1510, -1.7430, 4.0570



34.9990, -22.3400, 63.4840



8.5610, -5.4130, 15.5070



# Previews

## White Background



This preview shows how the YIQ color 163.9670, 27.7070, -78.1570 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 163.9670, 27.7070, -78.1570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

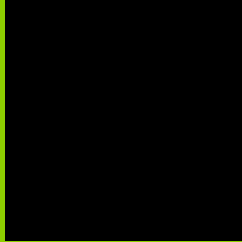
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 163.9670, 27.7070, -78.1570

## Background



This preview shows how black text looks on a background with the YIQ color 163.9670, 27.7070, -78.1570.



This preview shows how white text looks on a background with the YIQ color 163.9670, 27.7070,

-78.1570.

# 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

163.9670, 27.7070, -78.1570

### Protanopia

173.4450, 74.0560, -53.5920

### Deuteranopia

179.4960, 79.1870, -30.9330



## Tritanopia

184.8540, -23.0160, -1.3840

# Trichromacy



## Original Color

163.9670, 27.7070, -78.1570

## Protanomaly

170.0790, 57.2310, -62.5530

## Deuteranomaly

174.1910, 60.3920, -48.2480

## Tritanomaly

177.0320, -4.1670, -29.1190

# Monochromacy



## Original Color

163.9670, 27.7070, -78.1570

## Achromatopsia

164.0000, 0.0000, -0.0000

## Achromatomaly

164.1600, 10.0920, -28.7240

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 163.9670, 27.7070, -78.1570 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(142, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 207, 0)  
}
```

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(142, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 207, 0) }
```

## Border

The CSS property to change the border of an element to YIQ 163.9670, 27.7070, -78.1570 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(142, 207, 0) }
```



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

```
.border{ border-color:rgb(142, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(142, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 207,  
0) }
```

# Background

The CSS property to change the background color of an element to YIQ 163.9670, 27.7070, -78.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 207, 0) }
```

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

```
.background{ background-color: rgb(142,  
207, 0) }
```

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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