

# Converting Colors

YIQ(168.6960, 21.8810,  
-60.6710)

Have a look what the booklet for  
YIQ(168.6960, 21.8810, -60.6710)  
contains.

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# **Color**

**YIQ(168.6960, 21.8810,  
-60.6710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98CA29
RGB	152, 202, 41
RGB Percent	60%, 79%, 16%
CMY	0.4041, 0.2077, 0.8390
CMYK	0.25, 0.00, 0.80, 0.21
HSL	79°, 66%, 48%
HSV	79°, 80%, 79%
XYZ	34.4650, 49.0812, 9.7599
YIQ	168.6960, 21.8810, -60.6710

# Conversions

## Conversions Part 2

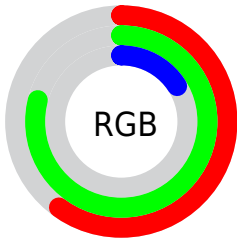
Format	Color
R <sub>Y</sub> B	41, 202, 91
Decimal	10013225
CIE Lab	75.50, -37.86, 68.25
CIE LCh	76, 78.050, 119.015
Yxy	49.0812, 0.3694, 0.5260
Android (android.graphics.Color)	4288203305 (0xFF98CA29)
YUV	168.6960, -62.9541, -14.6424
Hunter-Lab	70.0580, -34.7885, 40.7808

# Details

The YIQ color **168.6960, 21.8810, -60.6710** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **74.3040, -21.8810, 60.6710**, and the grayscale version is **169.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **223.9890, 22.6140, -57.4340**, and **115.2810, 15.9200, -57.2640** is the 20% darker color. If you saturate the color by 10%, you get **164.6220, 24.7250, -68.1630**, and if you desaturate by 10%, it is **172.7700, 19.0370, -53.1790**.

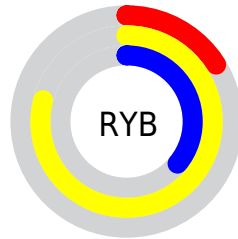
# Distribution



Red (60%)

Green (79%)

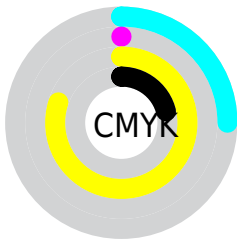
Blue (16%)



Red (16%)

Yellow (79%)

Blue (36%)

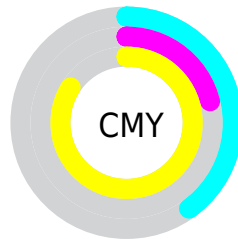


Cyan (25%)

Magenta (0%)

Yellow (80%)

Black (21%)



Cyan (40%)

Magenta (21%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 168.6960, 21.8810, -60.6710 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 168.6960, 21.8810, -60.6710 by changing the saturation by 10% instead.



■ 168.6960, 21.8810,  
-60.6710

■ 168.6960, 21.8810,  
-60.6710

■ 255.0000, -0.0000,  
-0.0000

■ 139.2140, 26.0540,  
-64.7140

■ 223.9890, 22.6140,  
-57.4340

■ 115.2810, 15.9200,  
-57.2640

■ 236.1510, 31.5060,  
-42.3660

■ 91.6470, 6.3820,  
-49.6020

■ 243.8280, 31.4580,  
-30.4780

■ 67.7140, -3.7520,  
-42.1520

■ 247.1340, 22.1490,  
-21.4590

■ 42.2640, -19.8000,  
-37.6560

■ 250.4400, 12.8400,  
-12.4400

■ 28.7630, -13.4750,  
-25.6270

■ 253.7460, 3.5310,

■ 16.4360, -7.7000,

-3.4210

-14.6440

■ 0.0000, 0.0000,  
0.0000

■ 168.6960, 21.8810,  
-60.6710

■ 168.6960, 21.8810,  
-60.6710

■ 164.6220, 24.7250,  
-68.1630

■ 172.7700, 19.0370,  
-53.1790

■ 160.2490, 26.9730,  
-75.8670

■ 177.1430, 16.7890,  
-45.4750

■ 160.1350, 27.2940,  
-76.1780

■ 181.3310, 13.6240,  
-37.6720

■ 185.4050, 10.7800,  
-30.1800

■ 189.4790, 7.9360,  
-22.6880

■ 193.8520, 5.6880,  
-14.9840

■ 197.9260, 2.8440,  
-7.4920

■ 202.1140, -0.3210,  
0.3110

■ 206.4870, -2.5690,  
8.0150

# Harmonies

## Analogous

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



173.5110, 82.8580, -47.9100



168.6960, 21.8810, -60.6710



138.5280, -92.3260, -77.9100

# Triad

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



168.6960, 21.8810, -60.6710



153.5140, -140.1550, -31.5710



164.3500, 59.5940, 54.3620

# Complementary

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



168.6960, 21.8810, -60.6710



74.3040, -21.8810, 60.6710

# 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.



184.5600, 33.0000, 62.7600



168.6960, 21.8810, -60.6710



143.5350, -135.4800, -22.6800

# Square

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



168.6960, 21.8810, -60.6710



157.5090, -141.7590, -35.5430



181.2070, -21.3710, 29.3890



162.8270, 79.0390, 26.8390



# Rectangle

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



168.6960, 21.8810, -60.6710



145.7500, -110.0260, -65.4980



181.2070, -21.3710, 29.3890



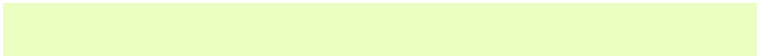
170.1350, 50.1940, 59.5220

# Sweetspot

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



168.6960, 21.8810, -60.6710



242.3650, 8.2570, -22.9990



117.3150, 82.7560, 9.0280



120.1940, 4.7250, -14.0510



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.



168.6960, 21.8810, -60.6710



204.3460, 33.3490, -92.3070



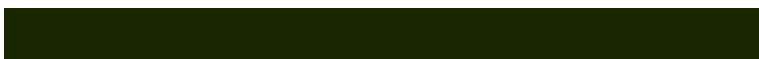
145.0750, -25.2030, -77.4190



99.9630, 1.4220, -3.7460



131.5280, 22.2940, -62.6500



30.0800, 5.0460, -14.3620



# Inverse Universe

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



74.3040, -21.8810, 60.6710



60.6540, -33.3490, 92.3070



97.9250, 25.2030, 77.4190



94.0370, -1.4220, 3.7460



34.4720, -22.2940, 62.6500



7.9200, -5.0460, 14.3620



# Previews

## White Background



This preview shows how the YIQ color 168.6960, 21.8810, -60.6710 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 168.6960, 21.8810, -60.6710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

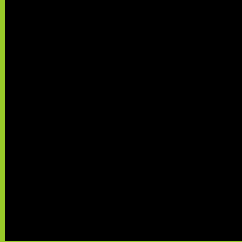
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 168.6960, 21.8810, -60.6710

## Background



This preview shows how black text looks on a background with the YIQ color 168.6960, 21.8810, -60.6710.



This preview shows how white text looks on a background with the YIQ color 168.6960, 21.8810, -60.6710.

-60.6710.

# 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

168.6960, 21.8810, -60.6710

### Protanopia

175.8910, 61.5370, -41.4630

### Deuteranopia

178.8360, 72.5380, -26.0700



## Tritanopia

184.3280, -15.5430, 0.8490

# Trichromacy



## Original Color

168.6960, 21.8810, -60.6710

## Protanomaly

173.2480, 47.0500, -48.7420

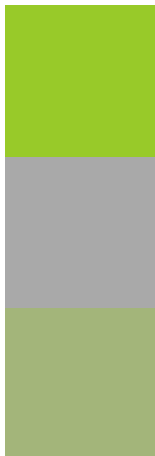
## Deuteranomaly

174.8780, 54.3840, -38.4800

## Tritanomaly

178.4440, -2.1510, -21.5990

# Monochromacy



## Original Color

168.6960, 21.8810, -60.6710

## Achromatopsia

169.0000, -0.0000, -0.0000

## Achromatomaly

168.8920, 8.2110, -22.1650

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 168.6960, 21.8810, -60.6710 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(152, 202, 41)` looks like.

```
.text, #text, p{  
    color:rgb(152, 202, 41)  
}
```

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(152, 202, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 202, 41) }
```

## Border

The CSS property to change the border of an element to YIQ 168.6960, 21.8810, -60.6710 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(152, 202, 41) }
```



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

```
.border{ border-color:rgb(152, 202, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 202, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 202, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 202, 41);  
box-shadow:4px 4px 4px 4px rgb(152, 202,  
41) }
```

# Background

The CSS property to change the background color of an element to YIQ 168.6960, 21.8810, -60.6710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 202, 41) }
```

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

```
.background{ background-color: rgb(152,  
202, 41) }
```

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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