

# Converting Colors

YIQ(177.8330, 41.0890,  
-45.3350)

Have a look what the booklet for  
YIQ(177.8330, 41.0890, -45.3350)  
contains.

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# Color

**YIQ(177.8330, 41.0890,  
-45.3350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC437
RGB	189, 196, 55
RGB Percent	74%, 77%, 22%
CMY	0.2589, 0.2313, 0.7840
CMYK	0.04, 0.00, 0.72, 0.23
HSL	63°, 56%, 49%
HSV	63°, 72%, 77%
XYZ	41.4114, 50.5729, 11.2021
YIQ	177.8330, 41.0890, -45.3350

# Conversions

## Conversions Part 2

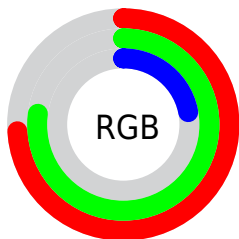
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 196, 62
Decimal	12436535
CIELab	76.42, -19.31, 65.63
CIELCh	76, 68.411, 106.395
Yxy	50.5729, 0.4013, 0.4901
Android (android.graphics.Color)	4290626615 (0xFFBDC437)
YUV	177.8330, -60.5567, 9.7935
Hunter-Lab	71.1146, -20.5067, 40.4408

# Details

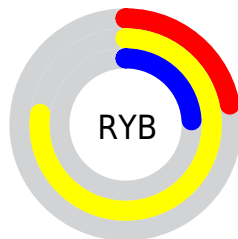
The YIQ color **177.8330, 41.0890, -45.3350** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **73.1670, -41.0890, 45.3350**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **234.7300, 42.8770, -44.6990**, and **123.4090, 39.3470, -46.8050** is the 20% darker color. If you saturate the color by 10%, you get **175.2540, 46.9130, -51.7670**, and if you desaturate by 10%, it is **180.4120, 35.2650, -38.9030**.

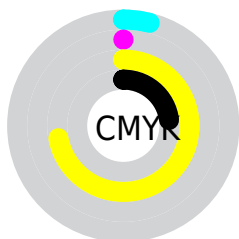
# Distribution



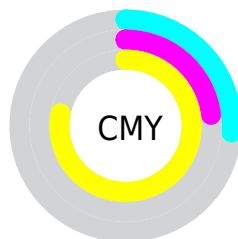
- Red (74%)
- Green (77%)
- Blue (22%)



- Red (22%)
- Yellow (77%)
- Blue (24%)



- Cyan (4%)
- Magenta (0%)
- Yellow (72%)
- Black (23%)



- Cyan (26%)
- Magenta (23%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 177.8330, 41.0890, -45.3350 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 177.8330, 41.0890, -45.3350 by changing the saturation by 10% instead.



■ 177.8330, 41.0890,  
-45.3350

■ 177.8330, 41.0890,  
-45.3350

■ 255.0000, -0.0000,  
-0.0000

■ 149.3230, 42.4650,  
-48.2470

■ 234.7300, 42.8770,  
-44.6990

■ 123.4090, 39.3470,  
-46.8050

■ 241.7760, 37.2360,  
-36.0760

■ 99.7750, 29.8090,  
-39.1430

■ 244.9680, 28.2480,  
-27.3680

■ 77.3260, 21.1880,  
-31.5800

■ 248.2740, 18.9390,  
-18.3490

■ 55.7520, 11.4210,  
-25.2750

■ 251.5800, 9.6300,  
-9.3300

■ 35.0640, 1.9750,  
-19.2810

254.8860, 0.3210,

■ 16.4360, -7.7000,

-0.3110

-14.6440

■ 0.0000, 0.0000,  
0.0000

■ 177.8330, 41.0890,  
-45.3350

■ 177.8330, 41.0890,  
-45.3350

■ 175.2540, 46.9130,  
-51.7670

■ 180.4120, 35.2650,  
-38.9030

■ 172.7890, 52.4160,  
-57.8880

■ 182.8770, 29.7620,  
-32.7820

■ 170.6660, 56.9560,  
-63.0760

■ 185.4560, 23.9380,  
-26.3500

■ 187.9210, 18.4350,  
-20.2290

■ 190.5000, 12.6110,  
-13.7970

■ 193.0790, 6.7870,  
-7.3650

■ 195.5440, 1.2840,  
-1.2440

■ 198.1230, -4.5400,  
5.1880

■ 200.5880,  
-10.0430, 11.3090

# Harmonies

## Analogous

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



182.8910, 79.8730, -21.3350



177.8330, 41.0890, -45.3350



168.5990, -20.0260, -55.5940

# Triad

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



177.8330, 41.0890, -45.3350



155.2750, -140.9800, -33.1400



179.9830, 44.5100, 52.3980

# Complementary

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



177.8330, 41.0890, -45.3350



73.1670, -41.0890, 45.3350

# 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.



191.7930, 15.6260, 47.2260



177.8330, 41.0890, -45.3350



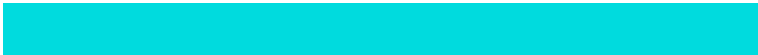
148.8180, -137.9550, -27.3870

# Square

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



177.8330, 41.0890, -45.3350



153.8610, -131.4870, -45.4950



177.1550, -51.1240, 12.4280



170.9260, 65.8790, 34.0630



# Rectangle

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



177.8330, 41.0890, -45.3350



141.5950, -102.4600, -70.4600



177.1550, -51.1240, 12.4280



185.7850, 36.4400, 55.4800

# Sweetspot

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



177.8330, 41.0890, -45.3350



247.7190, 16.1880, -18.0520



100.0940, 82.6610, 27.2770



123.5260, 9.7220, -10.9980



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.



177.8330, 41.0890, -45.3350



226.7450, 63.7430, -70.4410



157.5010, 0.5610, -59.7510



95.5610, 2.6140, -3.3220



140.2540, 46.9130, -51.7670



28.6400, 9.4010, -10.6870



# Inverse Universe

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



73.1670, -41.0890, 45.3350



64.2550, -63.7430, 70.4410



93.4990, -0.5610, 59.7510



88.4390, -2.6140, 3.3220



20.7460, -46.9130, 51.7670



4.3600, -9.4010, 10.6870



# Previews

## White Background



This preview shows how the YIQ color 177.8330, 41.0890, -45.3350 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 177.8330, 41.0890, -45.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

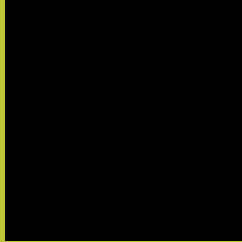
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 177.8330, 41.0890, -45.3350

## Background



This preview shows how black text looks on a background with the YIQ color 177.8330, 41.0890, -45.3350.



This preview shows how white text looks on a background with the YIQ color 177.8330, 41.0890, -45.3350.

-45.3350.

# 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

177.8330, 41.0890, -45.3350

### Protanopia

180.0740, 56.7680, -37.6320

### Deuteranopia

182.7050, 71.5290, -24.3030



## Tritanopia

190.2770, 6.8300, 8.3820

# Trichromacy



## Original Color

177.8330, 41.0890, -45.3350

## Protanomaly

179.5570, 50.8540, -40.5860

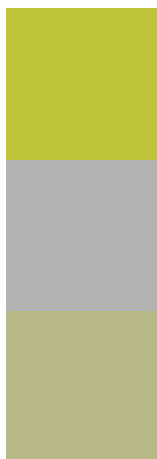
## Deuteranomaly

180.8020, 60.7100, -31.9780

## Tritanomaly

185.7890, 19.1670, -11.4650

# Monochromacy



## Original Color

177.8330, 41.0890, -45.3350

## Achromatopsia

178.0000, -0.0000, -0.0000

## Achromatomaly

178.1750, 14.9040, -16.8080

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 177.8330, 41.0890, -45.3350 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(189, 196, 55)` looks like.

```
.text, #text, p{  
    color:rgb(189, 196, 55)  
}
```

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(189, 196, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 196, 55) }
```

## Border

The CSS property to change the border of an element to YIQ 177.8330, 41.0890, -45.3350 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(189, 196, 55) }
```



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

```
.border{ border-color:rgb(189, 196, 55) }
```

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

Here you see how a box with a 4 pixel rgb(189, 196, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 196, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 196, 55);  
box-shadow:4px 4px 4px 4px rgb(189, 196,  
55) }
```

# Background

The CSS property to change the background color of an element to YIQ 177.8330, 41.0890, -45.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 196, 55) }
```

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

```
.background{ background-color: rgb(189,  
196, 55) }
```

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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