

# Converting Colors

YIQ(85.5800, -17.8740,  
-39.5220)

Have a look what the booklet for  
YIQ(85.5800, -17.8740, -39.5220)  
contains.

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# Color

**YIQ(85.5800, -17.8740,  
-39.5220)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2C7426
RGB	44, 116, 38
RGB Percent	17%, 45%, 15%
CMY	0.8277, 0.5450, 0.8510
CMYK	0.62, 0.00, 0.67, 0.54
HSL	115°, 51%, 30%
HSV	115°, 67%, 46%
XYZ	7.6350, 13.1719, 3.9735
YIQ	85.5800, -17.8740, -39.5220

# Conversions

## Conversions Part 2

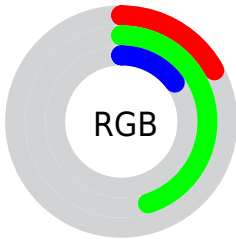
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 116, 110
Decimal	2913318
CIE Lab	43.02, -38.66, 35.42
CIE LCh	43, 52.436, 137.506
Yxy	13.1719, 0.3081, 0.5315
Android (android.graphics.Color)	4281103398 (0xFF2C7426)
YUV	85.5800, -23.4569, -36.4657
Hunter-Lab	36.2931, -25.9619, 18.9138

# Details

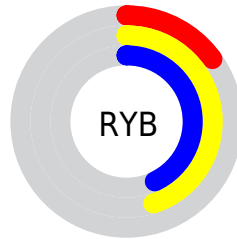
The YIQ color **85.5800, -17.8740, -39.5220** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **68.4200, 17.8740, 39.5220**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.4230, -15.9940, -40.5540**, and **39.3290, -18.4250, -35.0410** is the 20% darker color. If you saturate the color by 10%, you get **80.9230, -20.5780, -45.5860**, and if you desaturate by 10%, it is **90.2370, -15.1700, -33.4580**.

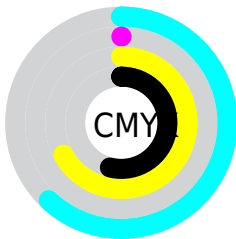
# Distribution



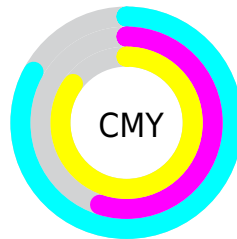
- Red (17%)
- Green (45%)
- Blue (15%)



- Red (15%)
- Yellow (45%)
- Blue (43%)



- Cyan (62%)
- Magenta (0%)
- Yellow (67%)
- Black (54%)



- Cyan (83%)
- Magenta (55%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 85.5800, -17.8740, -39.5220 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 85.5800, -17.8740, -39.5220 by changing the saturation by 10% instead.



■ 85.5800, -17.8740,  
-39.5220

■ 85.5800, -17.8740,  
-39.5220

■ 255.0000, -0.0000,  
-0.0000

■ 57.4760, -23.5130,  
-41.9530

■ 138.4230,  
-15.9940, -40.5540

■ 39.3290, -18.4250,  
-35.0410

■ 165.1950,  
-15.3520, -41.1760

■ 25.8280, -12.1000,  
-23.0120

■ 193.5540,  
-14.9850, -42.3210

■ 10.5660, -4.9500,  
-9.4140

■ 221.4400,  
-14.6640, -42.6320

■ 0.0000, 0.0000,  
0.0000

■ 234.0640, -7.1930,  
-29.3450

■ 245.9270, 1.1030,

-14.4890

254.3160, 1.9260,  
-1.8660

■ 85.5800, -17.8740,  
-39.5220

■ 85.5800, -17.8740,  
-39.5220

■ 80.9230, -20.5780,  
-45.5860

■ 90.2370, -15.1700,  
-33.4580

■ 76.6790, -23.0070,  
-51.1270

■ 94.4810, -12.7410,  
-27.9170

■ 72.0220, -25.7110,  
-57.1910

■ 99.1380, -10.0370,  
-21.8530

■ 70.7830, -26.5360,  
-58.7600

■ 103.6810, -7.0120,  
-16.1000

■ 108.3380, -4.3080,  
-10.0360

■ 112.6960, -2.2000,  
-4.1840

■ 117.2390, 0.8250,  
1.5690

■ 121.8960, 3.5290,  
7.6330

■ 126.1400, 5.9580,  
13.1740

# Harmonies

## Analogous

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



92.1110, 28.9830, -35.1850



85.5800, -17.8740, -39.5220



79.6740, -59.0010, -37.5690

# Triad

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



85.5800, -17.8740, -39.5220



87.0620, -90.8270, -0.4190



96.4590, 65.6960, 31.8720

# Complementary

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



85.5800, -17.8740, -39.5220



68.4200, 17.8740, 39.5220

# 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.



99.9580, 45.6580, 42.6020



85.5800, -17.8740, -39.5220



96.8550, -49.9790, 19.2130

# Square

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



85.5800, -17.8740, -39.5220



88.6630, -85.6900, -10.9220



104.5050, 7.3290, 37.8970



97.4040, 66.3880, 8.3080



# Rectangle

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



85.5800, -17.8740, -39.5220



84.3820, -69.5020, -28.9740



104.5050, 7.3290, 37.8970



96.9950, 61.4310, 37.5830

# Sweetspot

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



85.5800, -17.8740, -39.5220



138.5070, -6.4620, -15.0540



103.5860, 26.6880, -21.1200



69.7510, -4.0330, -9.5130



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5800, -17.8740, -39.5220



102.7180, -27.9110, -61.3750



87.5480, -32.0430, -30.5310



56.5220, -1.6500, -3.1380



74.3050, -28.1860, -61.8980



152.4310, -57.4260, -126.7220



# Inverse Universe

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



68.4200, 17.8740, 39.5220



76.2820, 27.9110, 61.3750



66.5660, 31.7220, 30.8420



55.1790, 1.0540, 2.9260



47.6950, 28.1860, 61.8980



97.5690, 57.4260, 126.7220



# Previews

## White Background



This preview shows how the YIQ color 85.5800, -17.8740, -39.5220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

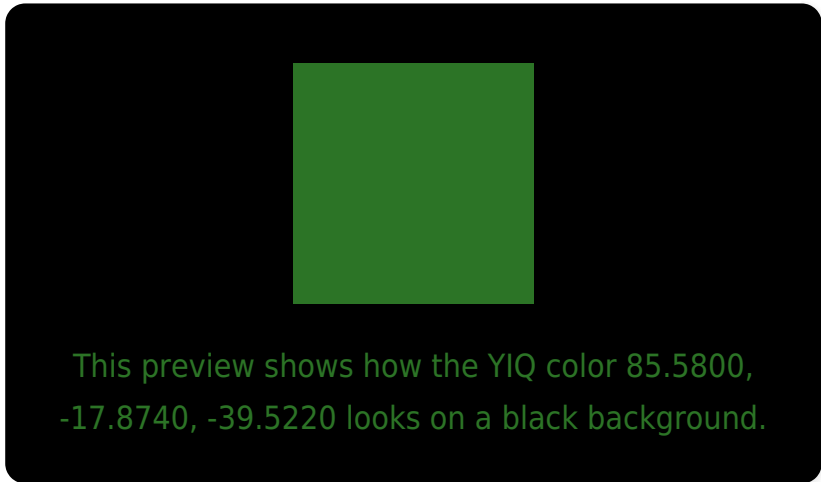
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 85.5800, -17.8740, -39.5220

## Background



This preview shows how black text looks on a background with the YIQ color 85.5800, -17.8740, -39.5220.



This preview shows how white text looks on a background with the YIQ color 85.5800, -17.8740,

-39.5220.

# 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

85.5800, -17.8740, -39.5220

### Protanopia

96.9500, 28.6590, -18.2930

### Deuteranopia

98.8570, 33.6550, -9.7130



## Tritanopia

95.2720, -30.3050, -6.9530

# Trichromacy



## Original Color

85.5800, -17.8740, -39.5220

## Protanomaly

92.5240, 12.0630, -25.8970

## Deuteranomaly

93.9530, 15.4090, -20.4550

## Tritanomaly

91.6340, -25.9930, -19.0250

# Monochromacy



## Original Color

85.5800, -17.8740, -39.5220

## Achromatopsia

86.0000, -0.0000, -0.0000

## Achromatomaly

86.0340, -6.5080, -14.2200

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 85.5800, -17.8740, -39.5220 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(44, 116, 38)` looks like.

```
.text, #text, p{  
    color:rgb(44, 116, 38)  
}
```

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(44, 116, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 116, 38) }
```

## Border

The CSS property to change the border of an element to YIQ 85.5800, -17.8740, -39.5220 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(44, 116, 38) }
```



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

```
.border{ border-color:rgb(44, 116, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 116, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 116, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 116, 38);  
box-shadow:4px 4px 4px 4px rgb(44, 116,  
38) }
```

# Background

The CSS property to change the background color of an element to YIQ 85.5800, -17.8740, -39.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 116, 38) }
```

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

```
.background{ background-color: rgb(44, 116,  
38) }
```

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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