

Converting Colors

YIQ(85.4370, -27.7770,
-41.7690)

Have a look what the booklet for
YIQ(85.4370, -27.7770, -41.7690)
contains.

YIQ(85.4370, -27.7770, -41.7690)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(85.4370, -27.7770,
-41.7690)**

Conversions

Conversions Part 1

Format	Color
Hex	21782D
RGB	33, 120, 45
RGB Percent	13%, 47%, 18%
CMY	0.8708, 0.5293, 0.8236
CMYK	0.73, 0.00, 0.63, 0.53
HSL	128°, 57%, 30%
HSV	128°, 73%, 47%
XYZ	7.8194, 13.9533, 4.7624
YIQ	85.4370, -27.7770, -41.7690

Conversions

Conversions Part 2

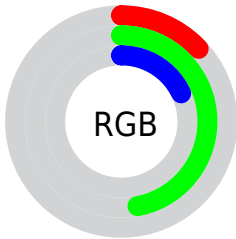
Format	Color
RYB	33, 109, 120
Decimal	2193453
CIELab	44.17, -41.87, 33.27
CIELCh	44, 53.481, 141.535
Yxy	13.9533, 0.2947, 0.5258
Android (android.graphics.Color)	4280383533 (0xFF21782D)
YUV	85.4370, -19.9354, -45.9872
Hunter-Lab	37.3541, -28.0042, 18.5888

Details

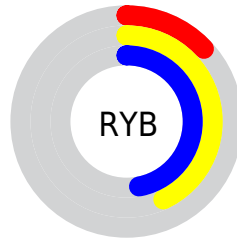
The YIQ color **85.4370, -27.7770, -41.7690** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **67.5630, 27.7770, 41.7690**, and the grayscale version is **86.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **139.4760, -23.5130, -41.9530**, and **41.0900, -19.2500, -36.6100** is the 20% darker color. If you saturate the color by 10%, you get **80.7090, -31.7190, -47.4230**, and if you desaturate by 10%, it is **90.1650, -23.8350, -36.1150**.

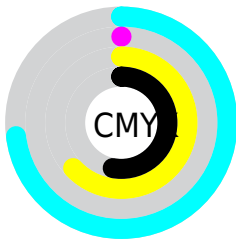
Distribution



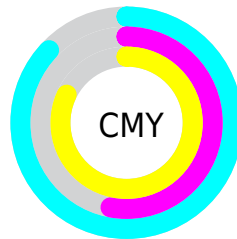
- Red (13%)
- Green (47%)
- Blue (18%)



- Red (13%)
- Yellow (43%)
- Blue (47%)



- Cyan (73%)
- Magenta (0%)
- Yellow (63%)
- Black (53%)



- Cyan (87%)
- Magenta (53%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 85.4370, -27.7770, -41.7690 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 85.4370, -27.7770, -41.7690 by changing the saturation by 10% instead.

■ 85.4370, -27.7770,
-41.7690

■ 85.4370, -27.7770,
-41.7690

■ 255.0000, -0.0000,
-0.0000

■ 58.1590, -32.8660,
-43.1540

■ 139.4760,
-23.5130, -41.9530

■ 41.0900, -19.2500,
-36.6100

■ 166.8350,
-23.1460, -43.0980

■ 27.5890, -12.9250,
-24.5810

■ 194.6070,
-22.5040, -43.7200

■ 13.5010, -6.3250,
-12.0290

■ 221.3190,
-21.6330, -42.9850

■ 0.0000, 0.0000,
0.0000

■ 232.8830,
-13.9330, -28.3410

■ 244.7460, -5.6370,

-13.4850

■ 85.4370, -27.7770,
-41.7690

■ 85.4370, -27.7770,
-41.7690

■ 80.7090, -31.7190,
-47.4230

■ 90.1650, -23.8350,
-36.1150

■ 75.8670, -35.3400,
-53.3880

■ 95.0070, -20.2140,
-30.1500

■ 72.3780, -38.4570,
-57.4730

■ 99.7350, -16.2720,
-24.4960

■ 104.4630,
-12.3300, -18.8420

■ 109.3050, -8.7090,
-12.8770

■ 114.0330, -4.7670,
-7.2230

■ 118.7610, -0.8250,
-1.5690

■ 123.6030, 2.7960,
4.3960

■ 128.3310, 6.7380,
10.0500

Harmonies

Analogous

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



94.1490, 25.8200, -38.4360



85.4370, -27.7770, -41.7690



83.0480, -62.9900, -36.8620

Triad

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



85.4370, -27.7770, -41.7690



88.3330, -93.0280, 0.9240



99.6610, 67.9430, 29.6950

Complementary

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



85.4370, -27.7770, -41.7690



67.5630, 27.7770, 41.7690

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.



101.7090, 50.7930, 43.1530



85.4370, -27.7770, -41.7690



101.9810, -41.4060, 23.5380

Square

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



85.4370, -27.7770, -41.7690



91.3360, -89.0830, -10.0030



106.7940, 13.8850, 40.2290



100.1820, 66.8930, 4.6610

Rectangle

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



85.4370, -27.7770, -41.7690



87.1690, -73.2160, -27.7440



106.7940, 13.8850, 40.2290



99.7950, 64.8700, 35.8300

Sweetspot

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



85.4370, -27.7770, -41.7690



142.1150, -11.2300, -16.7500



106.4940, 20.7750, -29.6010



70.6690, -6.7380, -10.0500



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



85.4370, -27.7770, -41.7690



101.9980, -43.4990, -65.2190



90.3390, -41.5800, -28.3960



58.6360, -1.9710, -2.8270



75.3130, -39.8320, -60.0880



151.9140, -80.5350, -120.9110

Inverse Universe

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



67.5630, 27.7770, 41.7690



74.0020, 43.4990, 65.2190



62.6610, 41.5800, 28.3960



57.3640, 1.9710, 2.8270



49.6870, 39.8320, 60.0880



100.2000, 80.2140, 121.2220

Previews

White Background



This preview shows how the YIQ color 85.4370, -27.7770, -41.7690 looks on a white background.

Color Contrast Check

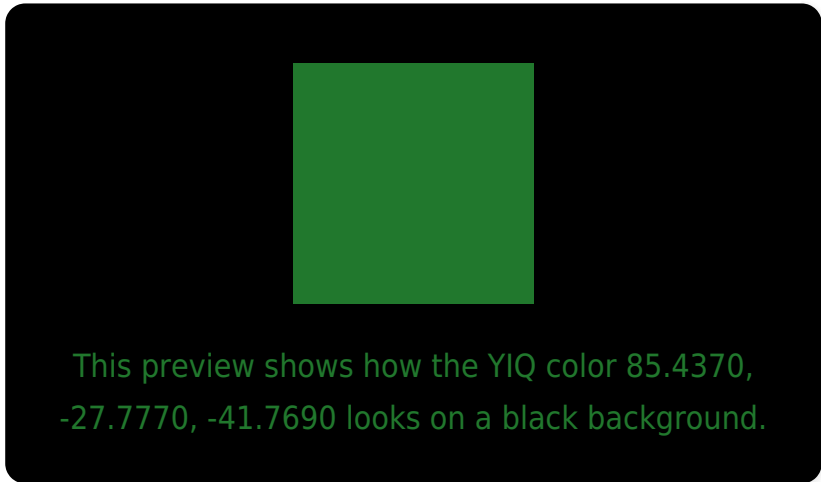
Large Text (above 18pt) WCAG AA ✓ Pass

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

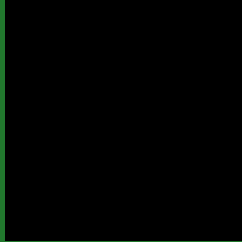
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 85.4370, -27.7770, -41.7690

Background



This preview shows how black text looks on a background with the YIQ color 85.4370, -27.7770, -41.7690.



This preview shows how white text looks on a background with the YIQ color 85.4370, -27.7770,

-41.7690.

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

85.4370, -27.7770, -41.7690

Protanopia

100.2920, 27.6960, -17.3600

Deuteranopia

102.1990, 32.6920, -8.7800



Tritanopia

96.6950, -35.9900, -8.5500

Trichromacy



Original Color

85.4370, -27.7770, -41.7690

Protanomaly

95.0720, 7.5240, -26.2360

Deuteranomaly

96.2020, 10.2740, -21.0060

Tritanomaly

92.5730, -33.1910, -20.7350

Monochromacy



Original Color

85.4370, -27.7770, -41.7690

Achromatopsia

85.0000, -0.0000, 0.0000

Achromatomaly

85.2400, -10.0840, -15.4920

CSS Examples

Text

The CSS property to change the color of the text to YIQ 85.4370, -27.7770, -41.7690 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(33, 120, 45)` looks like.

```
.text, #text, p{  
    color:rgb(33, 120, 45)  
}
```

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(33, 120, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 120, 45) }
```

Border

The CSS property to change the border of an element to YIQ 85.4370, -27.7770, -41.7690 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(33, 120, 45) }
```


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

```
.border{ border-color:rgb(33, 120, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 120, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 120, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 120, 45);  
box-shadow:4px 4px 4px 4px rgb(33, 120,  
45) }
```

Background

The CSS property to change the background color of an element to YIQ 85.4370, -27.7770, -41.7690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 120, 45) }
```

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

```
.background{ background-color: rgb(33, 120,  
45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor