

Converting Colors

YIQ(38.8140, 8.8510, -11.7330)

Have a look what the booklet for
YIQ(38.8140, 8.8510, -11.7330)
contains.

YIQ(38.8140, 8.8510, -11.7330)	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(38.8140, 8.8510,
-11.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	282C09
RGB	40, 44, 9
RGB Percent	16%, 17%, 4%
CMY	0.8432, 0.8274, 0.9646
CMYK	0.09, 0.00, 0.80, 0.83
HSL	67°, 66%, 10%
HSV	67°, 80%, 17%
XYZ	1.8249, 2.2722, 0.6013
YIQ	38.8140, 8.8510, -11.7330

Conversions

Conversions Part 2

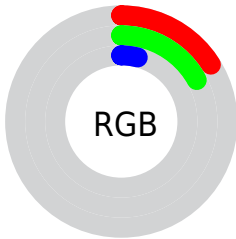
Format	Color
R_{YB}	9, 44, 13
Decimal	2632713
CIE Lab	16.86, -7.73, 20.46
CIE LCh	17, 21.873, 110.701
Yxy	2.2722, 0.3884, 0.4836
Android (android.graphics.Color)	4280822793 (0xFF282C09)
YUV	38.8140, -14.6983, 1.0401
Hunter-Lab	15.0738, -4.7692, 8.1866

Details

The YIQ color **38.8140, 8.8510, -11.7330** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **14.1860, -8.8510, 11.7330**, and the grayscale version is **39.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **83.9990, 9.7680, -11.8320**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **38.0590, 9.5390, -13.1890**, and if you desaturate by 10%, it is **39.2700, 7.5670, -10.4890**.

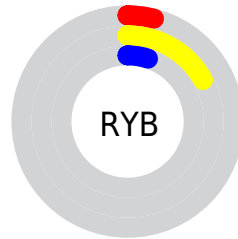
Distribution



Red (16%)

Green (17%)

Blue (4%)



Red (4%)

Yellow (17%)

Blue (5%)

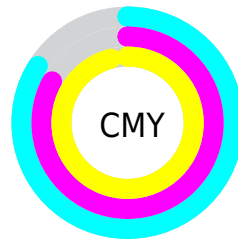


Cyan (9%)

Magenta (0%)

Yellow (80%)

Black (83%)



Cyan (84%)

Magenta (83%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 38.8140, 8.8510, -11.7330 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 38.8140, 8.8510, -11.7330 by changing the saturation by 10% instead.

■ 38.8140, 8.8510,
-11.7330

■ 38.8140, 8.8510,
-11.7330

■ 252.6060, 6.7410,
-6.5310

■ 19.1710, 3.5320,
-8.9480

■ 83.9990, 9.7680,
-11.8320

■ 0.0000, 0.0000,
0.0000

■ 108.7710, 10.4100,
-12.4540

■ 134.0700, 11.0060,
-12.2420

■ 160.5430, 11.0520,
-13.0760

■ 187.4290, 11.3730,
-13.3870

■ 215.3150, 11.6940,

-13.6980

■ 243.5000, 12.6110,
-13.7970

■ 38.8140, 8.8510,
-11.7330

■ 38.8140, 8.8510,
-11.7330

■ 38.0590, 9.5390,
-13.1890

■ 39.2700, 7.5670,
-10.4890

■ 37.4890, 11.1440,
-14.7440

■ 40.1390, 6.5580,
-8.7220

■ 40.8940, 5.8700,
-7.2660

■ 41.4640, 4.2650,
-5.7110

■ 42.2190, 3.5770,
-4.2550

■ 42.6750, 2.2930,
-3.0110

■ 43.5440, 1.2840,
-1.2440

■ 44.0000, -0.0000,
-0.0000

■ 44.8690, -1.0090,
1.7670

Harmonies

Analogous

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



40.1360, 19.8080, -6.5600



38.8140, 8.8510, -11.7330



36.2620, -7.1500, -13.5980

Triad

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



38.8140, 8.8510, -11.7330



35.5860, -34.0650, -4.8890



42.1260, 17.7410, 14.3890

Complementary

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



38.8140, 8.8510, -11.7330



14.1860, -8.8510, 11.7330

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.



43.1830, 4.3990, 13.8950



38.8140, 8.8510, -11.7330



34.6230, -35.4870, -1.1430

Square

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



38.8140, 8.8510, -11.7330



34.6910, -30.1670, -9.4550



41.1530, -13.2520, 8.8920



40.9000, 24.0690, 9.8370

Rectangle

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



38.8140, 8.8510, -11.7330



32.8950, -22.2340, -15.5620



41.1530, -13.2520, 8.8920



42.3860, 14.0730, 14.7850

Sweetspot

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



38.8140, 8.8510, -11.7330



54.2190, 3.5770, -4.2550



21.8130, 19.7600, 5.3280



26.7890, 1.9720, -2.7000



156.0000, -0.0000, -0.0000



28.0000, -0.0000, 0.0000

Same Dimension

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



38.8140, 8.8510, -11.7330



48.1640, 13.4370, -17.7550



33.7310, -1.2810, -15.3370



22.7720, 0.6420, -0.6220



74.0920, 21.9670, -29.1770



182.4280, 54.3900, -71.6420

Inverse Universe

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



14.1860, -8.8510, 11.7330



10.8360, -13.4370, 17.7550



19.2690, 1.2810, 15.3370



21.2280, -0.6420, 0.6220



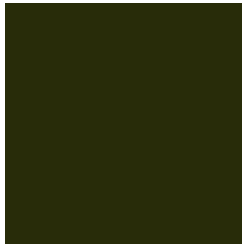
12.9080, -21.9670, 29.1770



31.8710, -53.7940, 71.8540

Previews

White Background



This preview shows how the YIQ color 38.8140, 8.8510, -11.7330 looks on a white background.

Color Contrast Check

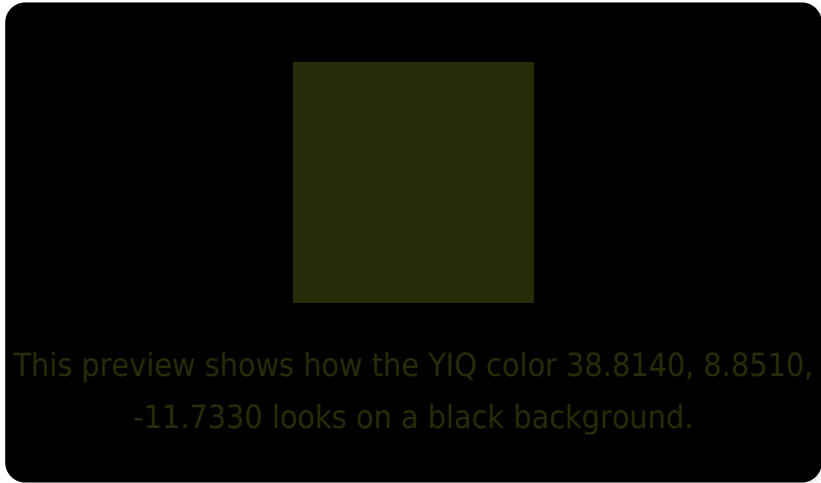
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

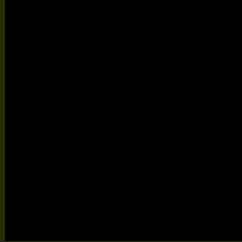
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 38.8140, 8.8510, -11.7330

Background



This preview shows how black text looks on a background with the YIQ color 38.8140, 8.8510, -11.7330.



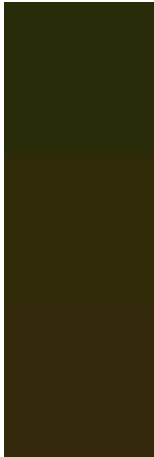
This preview shows how white text looks on a background with the YIQ color 38.8140, 8.8510,

-11.7330.

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

38.8140, 8.8510, -11.7330

Protanopia

39.6190, 13.8940, -9.5140

Deuteranopia

40.2820, 16.4610, -6.4750



Tritanopia

41.9400, 0.2290, 1.3570

Trichromacy



Original Color

38.8140, 8.8510, -11.7330

Protanomaly

39.3090, 11.8310, -10.6730

Deuteranomaly

39.5590, 14.1230, -8.1570

Tritanomaly

40.7460, 3.5310, -3.4210

Monochromacy



Original Color

38.8140, 8.8510, -11.7330

Achromatopsia

39.0000, -0.0000, -0.0000

Achromatomaly

38.9200, 2.9810, -4.4670

CSS Examples

Text

The CSS property to change the color of the text to YIQ 38.8140, 8.8510, -11.7330 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(40, 44, 9)` looks like.

```
.text, #text, p{  
    color:rgb(40, 44, 9)  
}
```

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(40, 44, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 44, 9) }
```

Border

The CSS property to change the border of an element to YIQ 38.8140, 8.8510, -11.7330 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(40, 44, 9) }
```


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

```
.border{ border-color:rgb(40, 44, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 44, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 44, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(40, 44, 9); box-shadow:4px  
4px 4px 4px rgb(40, 44, 9) }
```

Background

The CSS property to change the background color of an element to YIQ 38.8140, 8.8510, -11.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 44, 9) }
```

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

```
.background{ background-color: rgb(40, 44,  
9) }
```

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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