

# Converting Colors

YIQ(38.3120, -10.5870,  
-22.8990)

Have a look what the booklet for  
YIQ(38.3120, -10.5870, -22.8990)  
contains.

<b>YIQ(38.3120, -10.5870, -22.8990)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(38.3120, -10.5870,  
-22.8990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0E380B
RGB	14, 56, 11
RGB Percent	5%, 22%, 4%
CMY	0.9452, 0.7803, 0.9569
CMYK	0.75, 0.00, 0.80, 0.78
HSL	116°, 67%, 13%
HSV	116°, 80%, 22%
XYZ	1.6560, 2.9473, 0.7982
YIQ	38.3120, -10.5870, -22.8990

# Conversions

## Conversions Part 2

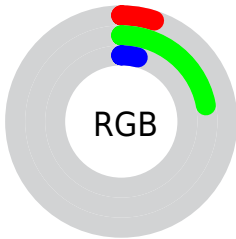
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 56, 53
Decimal	931851
CIE <sub>Lab</sub>	19.83, -24.82, 22.78
CIE <sub>LCh</sub>	20, 33.690, 137.464
Yxy	2.9473, 0.3066, 0.5456
Android (android.graphics.Color)	4279121931 (0xFF0E380B)
YUV	38.3120, -13.4648, -21.3216
Hunter-Lab	17.1677, -12.8252, 9.2609

# Details

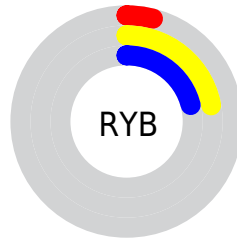
The YIQ color **38.3120, -10.5870, -22.8990** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **28.6880, 10.5870, 22.8990**, and the grayscale version is **38.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **86.1550, -8.7070, -23.9310**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.1330, -11.6410, -25.8250**, and if you desaturate by 10%, it is **40.4910, -9.5330, -19.9730**.

# Distribution



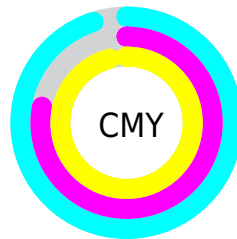
- Red (5%)
- Green (22%)
- Blue (4%)



- Red (4%)
- Yellow (22%)
- Blue (21%)



- Cyan (75%)
- Magenta (0%)
- Yellow (80%)
- Black (78%)



- Cyan (95%)
- Magenta (78%)
- Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 38.3120, -10.5870, -22.8990 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 38.3120, -10.5870, -22.8990 by changing the saturation by 10% instead.



■ 38.3120, -10.5870,  
-22.8990

■ 38.3120, -10.5870,  
-22.8990

■ 251.5670, 2.4770,  
-6.3470

■ 20.5450, -9.6250,  
-18.3050

■ 86.1550, -8.7070,  
-23.9310

■ 0.0000, 0.0000,  
0.0000

■ 110.7420, -8.9820,  
-24.4540

■ 136.5140, -8.3400,  
-25.0760

■ 162.9870, -8.2940,  
-25.9100

■ 190.5740, -8.5690,  
-26.4330

■ 218.1610, -8.8440,

-26.9560

■ 239.5900, -5.4980,  
-21.5140

■ 38.3120, -10.5870,  
-22.8990

■ 38.3120, -10.5870,  
-22.8990

■ 36.1330, -11.6410,  
-25.8250

■ 40.4910, -9.5330,  
-19.9730

■ 34.0680, -13.0160,  
-28.4400

■ 42.5560, -8.1580,  
-17.3580

■ 45.0340, -6.5080,  
-14.2200

■ 47.0990, -5.1330,  
-11.6050

■ 49.2780, -4.0790,  
-8.6790

■ 51.4570, -3.0250,  
-5.7530

■ 53.8210, -1.0540,  
-2.9260

■ 56.0000, -0.0000,  
0.0000

■ 58.0650, 1.3750,  
2.6150

# Harmonies

## Analogous

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



43.9900, 13.9870, -16.7090



38.3120, -10.5870, -22.8990



38.1500, -27.5060, -19.1380

# Triad

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



38.3120, -10.5870, -22.8990



42.6420, -45.6660, 1.6140



44.1130, 36.9510, 18.6710

# Complementary

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



38.3120, -10.5870, -22.8990



28.6880, 10.5870, 22.8990

# 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.



46.2400, 26.5880, 24.7640



38.3120, -10.5870, -22.8990



44.4100, -30.0330, 10.1510

# Square

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



38.3120, -10.5870, -22.8990



43.6220, -42.9140, -4.2100



49.3390, 4.2600, 21.9240



45.1540, 37.7330, 4.4930



# Rectangle

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



38.3120, -10.5870, -22.8990



40.7890, -33.5590, -14.0630



49.3390, 4.2600, 21.9240



44.4380, 34.6580, 21.6820

# Sweetspot

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



38.3120, -10.5870, -22.8990



66.8650, -4.3540, -9.2020



49.1090, 15.2700, -12.4260



33.7560, -2.4290, -5.5410



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000



# Same Dimension

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



38.3120, -10.5870, -22.8990



46.1720, -16.5450, -36.0730



39.6950, -18.7950, -17.3150



26.7610, -0.8250, -1.5690



55.7980, -21.7240, -46.8440



132.7390, -51.8810, -111.5690



# Inverse Universe

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



28.6880, 10.5870, 22.8990



30.8280, 16.5450, 36.0730



27.4190, 18.4740, 17.6260



26.2390, 0.8250, 1.5690



36.2020, 21.7240, 46.8440

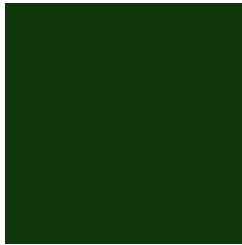


86.2610, 51.8810, 111.5690



# Previews

## White Background



This preview shows how the YIQ color 38.3120, -10.5870, -22.8990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

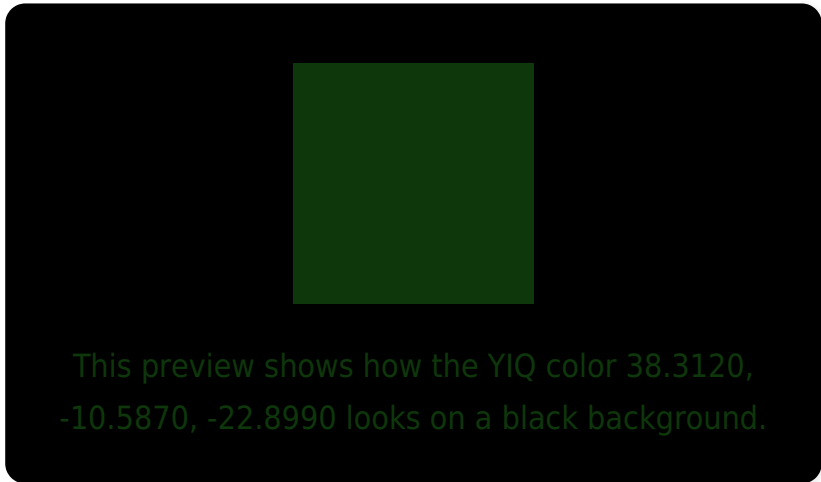
Any Text WCAG AA ✓ Pass

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

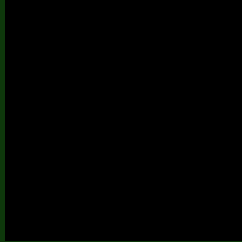
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 38.3120, -10.5870, -22.8990

## Background



This preview shows how black text looks on a background with the YIQ color 38.3120, -10.5870, -22.8990.



This preview shows how white text looks on a background with the YIQ color 38.3120, -10.5870,

-22.8990.

# 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

38.3120, -10.5870, -22.8990

### Protanopia

45.3480, 16.0950, -10.8570

### Deuteranopia

46.7660, 17.9740, -6.3620



## Tritanopia

44.6820, -16.7800, -4.2680

# Trichromacy



## Original Color

38.3120, -10.5870, -22.8990

## Protanomaly

42.7380, 6.0090, -15.2950

## Deuteranomaly

43.8030, 7.3840, -12.6800

## Tritanomaly

42.2490, -14.3030, -10.6150

# Monochromacy



## Original Color

38.3120, -10.5870, -22.8990

## Achromatopsia

38.0000, -0.0000, -0.0000

## Achromatomaly

38.2780, -4.0790, -8.6790

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 38.3120, -10.5870, -22.8990 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(14, 56, 11)` looks like.

```
.text, #text, p{  
    color:rgb(14, 56, 11)  
}
```

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(14, 56, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 56, 11) }
```

## Border

The CSS property to change the border of an element to YIQ 38.3120, -10.5870, -22.8990 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(14, 56, 11) }
```



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

```
.border{ border-color:rgb(14, 56, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 56, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 56, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 56, 11);  
box-shadow:4px 4px 4px 4px rgb(14, 56, 11)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 38.3120, -10.5870, -22.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 56, 11) }
```

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

```
.background{ background-color: rgb(14, 56,  
11) }
```

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