

# Converting Colors

YIQ(120.7470, 27.0120,  
-38.0120)

Have a look what the booklet for  
YIQ(120.7470, 27.0120, -38.0120)  
contains.

<b>YIQ(120.7470, 27.0120, -38.0120)</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(120.7470, 27.0120,  
-38.0120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B8A1A
RGB	123, 138, 26
RGB Percent	48%, 54%, 10%
CMY	0.5178, 0.4588, 0.8978
CMYK	0.11, 0.00, 0.81, 0.46
HSL	68°, 68%, 32%
HSV	68°, 81%, 54%
XYZ	17.4409, 22.4625, 4.3966
YIQ	120.7470, 27.0120, -38.0120

# Conversions

## Conversions Part 2

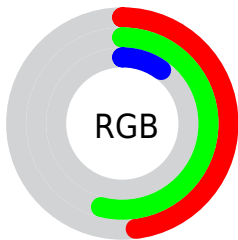
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 138, 41
Decimal	8096282
CIE <sub>Lab</sub>	54.51, -19.81, 52.96
CIE <sub>LCh</sub>	55, 56.547, 110.511
Yxy	22.4625, 0.3937, 0.5071
Android (android.graphics.Color)	4286286362 (0xFF7B8A1A)
YUV	120.7470, -46.7103, 1.9759
Hunter-Lab	47.3946, -17.2537, 27.6761

# Details

The YIQ color **120.7470, 27.0120, -38.0120** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **43.2530, -27.0120, 38.0120**, and the grayscale version is **121.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **174.5730, 27.5620, -36.9660**, and **72.5860, 17.5200, -31.1840** is the 20% darker color. If you saturate the color by 10%, you get **118.5530, 30.3140, -42.7900**, and if you desaturate by 10%, it is **122.9410, 23.7100, -33.2340**.

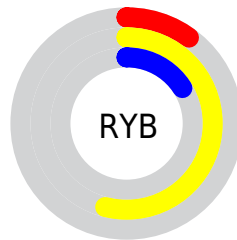
# Distribution



Red (48%)

Green (54%)

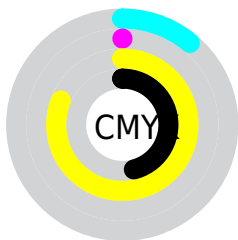
Blue (10%)



Red (10%)

Yellow (54%)

Blue (16%)

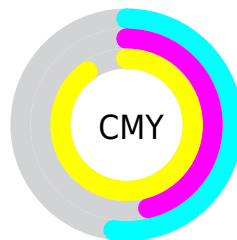


Cyan (11%)

Magenta (0%)

Yellow (81%)

Black (46%)



Cyan (52%)

Magenta (46%)

Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 120.7470, 27.0120, -38.0120 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 120.7470, 27.0120, -38.0120 by changing the saturation by 10% instead.



120.7470, 27.0120,  
-38.0120

120.7470, 27.0120,  
-38.0120

255.0000, -0.0000,  
-0.0000

95.0350, 26.1410,  
-38.7470

174.5730, 27.5620,  
-36.9660

72.5860, 17.5200,  
-31.1840

202.6440, 28.8000,  
-37.3760

51.6100, 8.9450,  
-24.4550

231.4160, 29.4420,  
-37.9980

30.9220, -0.5010,  
-18.4610

244.2840, 30.1740,  
-29.2340

14.0880, -6.6000,  
-12.5520

247.4760, 21.1860,  
-20.5260

0.0000, 0.0000,  
0.0000

250.7820, 11.8770,

-11.5070

254.0880, 2.5680,  
-2.4880

120.7470, 27.0120,  
-38.0120

120.7470, 27.0120,  
-38.0120

118.5530, 30.3140,  
-42.7900

122.9410, 23.7100,  
-33.2340

116.5870, 32.9740,  
-46.9460

125.1350, 20.4080,  
-28.4560

127.2150, 17.4270,  
-23.9890

129.1100, 13.5290,  
-19.4230

131.3040, 10.2270,  
-14.6450

■ 133.4980, 6.9250,  
-9.8670

■ 135.6920, 3.6230,  
-5.0890

■ 137.7720, 0.6420,  
-0.6220

■ 139.9660, -2.6600,  
4.1560

# Harmonies

## Analogous

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



124.9410, 59.2410, -21.8710



120.7470, 27.0120, -38.0120



112.4110, -24.8880, -44.5680

# Triad

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



120.7470, 27.0120, -38.0120



111.4200, -107.0550, -14.6950



129.8560, 54.8730, 46.3050

# Complementary

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



120.7470, 27.0120, -38.0120



43.2530, -27.0120, 38.0120

# 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.



133.9020, 13.7010, 43.5650



120.7470, 27.0120, -38.0120



108.6450, -111.6420, -3.1460

# Square

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



120.7470, 27.0120, -38.0120



108.9800, -94.6730, -29.8490



128.2950, -45.1660, 25.6020



126.9500, 74.4990, 32.0270



# Rectangle

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



120.7470, 27.0120, -38.0120



99.5810, -72.3410, -49.1170



128.2950, -45.1660, 25.6020



131.9240, 42.9980, 46.7580

# Sweetspot

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



120.7470, 27.0120, -38.0120



172.3040, 10.2270, -14.6450



68.2930, 62.6270, 15.8990



85.1390, 6.5580, -8.7220



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



120.7470, 27.0120, -38.0120



151.9880, 41.5500, -59.2020



104.0030, -6.3640, -49.8840



67.9030, 1.6510, -2.3890



112.4560, 31.9650, -45.1790



4.1310, 1.0090, -1.7670



# Inverse Universe

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



43.2530, -27.0120, 38.0120



32.0120, -41.5500, 59.2020



59.9970, 6.3640, 49.8840



63.0970, -1.6510, 2.3890



20.5440, -31.9650, 45.1790



0.8690, -1.0090, 1.7670



# Previews

## White Background



This preview shows how the YIQ color 120.7470, 27.0120, -38.0120 looks on a white 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



# Black Background



This preview shows how the YIQ color 120.7470, 27.0120, -38.0120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

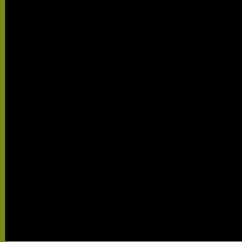
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 120.7470, 27.0120, -38.0120

## Background



This preview shows how black text looks on a background with the YIQ color 120.7470, 27.0120, -38.0120.



This preview shows how white text looks on a background with the YIQ color 120.7470, 27.0120, -38.0120.



# 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

120.7470, 27.0120, -38.0120

### Protanopia

123.5860, 43.8830, -29.8850

### Deuteranopia

125.7000, 52.7300, -19.5100



## Tritanopia

130.7490, -0.5510, 4.4810

# Trichromacy



## Original Color

120.7470, 27.0120, -38.0120

## Protanomaly

122.7700, 37.3730, -33.0510

## Deuteranomaly

123.8080, 43.3780, -26.2380

## Tritanomaly

127.2270, 9.1260, -11.2100

# Monochromacy



## Original Color

120.7470, 27.0120, -38.0120

## Achromatopsia

121.0000, -0.0000, 0.0000

## Achromatomaly

120.8310, 10.1810, -13.8110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 120.7470, 27.0120, -38.0120 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(123, 138, 26)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 26)  
}
```

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(123, 138, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 26) }
```

## Border

The CSS property to change the border of an element to YIQ 120.7470, 27.0120, -38.0120 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(123, 138, 26) }
```



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

```
.border{ border-color:rgb(123, 138, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 26);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
26) }
```

# Background

The CSS property to change the background color of an element to YIQ 120.7470, 27.0120, -38.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 26) }
```

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

```
.background{ background-color: rgb(123,  
138, 26) }
```

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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