

# Converting Colors

YIQ(124.8470, 38.4740,  
-36.4860)

Have a look what the booklet for  
YIQ(124.8470, 38.4740, -36.4860)  
contains.

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# Color

**YIQ(124.8470, 38.4740,  
-36.4860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8B8A14
RGB	139, 138, 20
RGB Percent	55%, 54%, 8%
CMY	0.4550, 0.4588, 0.9213
CMYK	0.00, 0.01, 0.86, 0.45
HSL	60°, 75%, 31%
HSV	60°, 86%, 55%
XYZ	19.8596, 23.7149, 4.1954
YIQ	124.8470, 38.4740, -36.4860

# Conversions

## Conversions Part 2

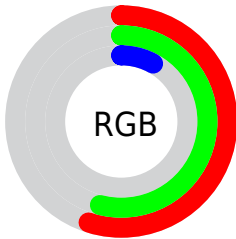
Format	Color
R <sub>Y</sub> B	21, 139, 20
Decimal	9144852
CIE Lab	55.80, -12.79, 56.24
CIE LCh	56, 57.679, 102.812
Yxy	23.7149, 0.4157, 0.4964
Android (android.graphics.Color)	4287334932 (0xFF8B8A14)
YUV	124.8470, -51.6896, 12.4122
Hunter-Lab	48.6979, -12.4268, 28.9806

# Details

The YIQ color **124.8470, 38.4740, -36.4860** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **34.1530, -38.4740, 36.4860**, and the grayscale version is **125.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **179.6130, 39.2530, -34.0830**, and **77.0710, 26.4600, -28.0040** is the 20% darker color. If you saturate the color by 10%, you get **123.2510, 42.9680, -40.8400**, and if you desaturate by 10%, it is **126.4430, 33.9800, -32.1320**.

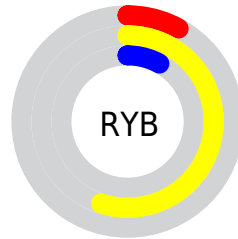
# Distribution



Red (55%)

Green (54%)

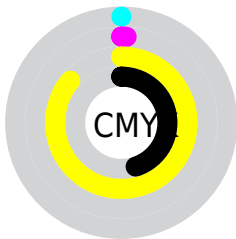
Blue (8%)



Red (8%)

Yellow (55%)

Blue (8%)

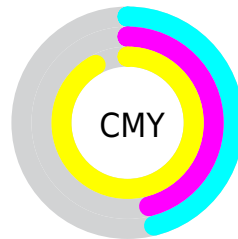


Cyan (0%)

Magenta (1%)

Yellow (86%)

Black (45%)



Cyan (46%)

Magenta (46%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 124.8470, 38.4740, -36.4860 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 124.8470, 38.4740, -36.4860 by changing the saturation by 10% instead.



124.8470, 38.4740,  
-36.4860

124.8470, 38.4740,  
-36.4860

255.0000, -0.0000,  
-0.0000

99.8190, 35.6770,  
-35.3550

179.6130, 39.2530,  
-34.0830

77.0710, 26.4600,  
-28.0040

207.6840, 40.4910,  
-34.4930

55.7960, 17.2890,  
-21.4870

235.8690, 41.4080,  
-34.5920

35.4070, 8.4390,  
-15.2810

243.9420, 31.1370,  
-30.1670

14.0880, -6.6000,  
-12.5520

247.1340, 22.1490,  
-21.4590

0.0000, 0.0000,  
0.0000

250.4400, 12.8400,

-12.4400

■ 253.7460, 3.5310,  
-3.4210

■ 124.8470, 38.4740,  
-36.4860

■ 124.8470, 38.4740,  
-36.4860

■ 123.2510, 42.9680,  
-40.8400

■ 126.4430, 33.9800,  
-32.1320

■ 122.5670, 44.8940,  
-42.7060

■ 128.0390, 29.4860,  
-27.7780

■ 129.6350, 24.9920,  
-23.4240

■ 131.2310, 20.4980,  
-19.0700

■ 133.4140, 15.7290,  
-15.2390

■ 134.8960, 11.5560,  
-11.1960

■ 136.4920, 7.0620,  
-6.8420

■ 138.0880, 2.5680,  
-2.4880

■ 139.6840, -1.9260,  
1.8660

# Harmonies

## Analogous

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



129.1640, 66.1630, -15.1570



124.8470, 38.4740, -36.4860



118.2510, -9.7580, -43.4380

# Triad

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



124.8470, 38.4740, -36.4860



113.8990, -107.1460, -18.5540



134.7180, 46.5740, 48.0300

# Complementary

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



124.8470, 38.4740, -36.4860



34.1530, -38.4740, 36.4860

# 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.



137.9050, 0.4510, 41.4030



124.8470, 38.4740, -36.4860



112.3950, -113.9340, -5.6620

# Square

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



124.8470, 38.4740, -36.4860



110.3020, -92.8840, -34.7400



125.4600, -67.8600, 18.3800



130.4540, 73.2600, 37.9640



# Rectangle

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



124.8470, 38.4740, -36.4860



100.2020, -69.9560, -53.7960



125.4600, -67.8600, 18.3800



136.0740, 33.8280, 47.7480

# Sweetspot

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



124.8470, 38.4740, -36.4860



175.6420, 15.0870, -14.6170



55.8090, 70.2820, 25.8500



88.6940, 9.3090, -9.0190



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000



# Same Dimension

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



124.8470, 38.4740, -36.4860



159.7790, 58.3760, -55.7680



108.3910, 4.2270, -49.0930



68.2020, 2.2470, -2.1770



117.2510, 42.9680, -40.8400



4.4300, 1.6050, -1.5550



# Inverse Universe

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



34.1530, -38.4740, 36.4860



21.2210, -58.3760, 55.7680



50.9080, -3.6310, 49.3050



62.7980, -2.2470, 2.1770



15.7490, -42.9680, 40.8400



0.5700, -1.6050, 1.5550



# Previews

## White Background



This preview shows how the YIQ color 124.8470, 38.4740, -36.4860 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 124.8470, 38.4740, -36.4860 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

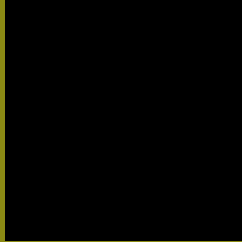
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 124.8470, 38.4740, -36.4860

## Background



This preview shows how black text looks on a background with the YIQ color 124.8470, 38.4740, -36.4860.



This preview shows how white text looks on a background with the YIQ color 124.8470, 38.4740,

-36.4860.

# 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

124.8470, 38.4740, -36.4860

### Protanopia

125.9730, 47.0470, -32.1610

### Deuteranopia

127.9730, 56.2150, -22.0970



## Tritanopia

135.1200, 8.7100, 7.3500

# Trichromacy



## Original Color

124.8470, 38.4740, -36.4860

## Protanomaly

125.3640, 44.3880, -33.5320

## Deuteranomaly

126.6900, 49.5220, -27.4540

## Tritanomaly

131.6690, 19.6250, -8.7510

# Monochromacy



## Original Color

124.8470, 38.4740, -36.4860

## Achromatopsia

125.0000, 0.0000, 0.0000

## Achromatomaly

125.0980, 13.8030, -13.3730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 124.8470, 38.4740, -36.4860 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(139, 138, 20)` looks like.

```
.text, #text, p{  
    color:rgb(139, 138, 20)  
}
```

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(139, 138, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 138, 20) }
```

## Border

The CSS property to change the border of an element to YIQ 124.8470, 38.4740, -36.4860 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(139, 138, 20) }
```



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

```
.border{ border-color:rgb(139, 138, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 138, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 138, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 138, 20);  
box-shadow:4px 4px 4px 4px rgb(139, 138,  
20) }
```

# Background

The CSS property to change the background color of an element to YIQ 124.8470, 38.4740, -36.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 138, 20) }
```

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

```
.background{ background-color: rgb(139,  
138, 20) }
```

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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