

# Converting Colors

YIQ(111.8720, 38.4670, 2.2030)

Have a look what the booklet for  
YIQ(111.8720, 38.4670, 2.2030)  
contains.

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# Color

**YIQ(111.8720, 38.4670,  
2.2030)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	966449
RGB	150, 100, 73
RGB Percent	59%, 39%, 29%
CMY	0.4117, 0.6079, 0.7135
CMYK	0.00, 0.33, 0.51, 0.41
HSL	21°, 35%, 44%
HSV	21°, 51%, 59%
XYZ	18.3417, 16.0784, 8.4478
YIQ	111.8720, 38.4670, 2.2030

# Conversions

## Conversions Part 2

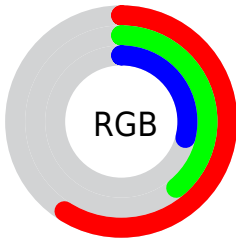
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	150, 115, 73
Decimal	9856073
CIE Lab	47.08, 17.05, 23.45
CIE LCh	47, 28.997, 53.978
Yxy	16.0784, 0.4279, 0.3751
Android (android.graphics.Color)	4288046153 (0xFF966449)
YUV	111.8720, -19.1639, 33.4383
Hunter-Lab	40.0979, 11.4786, 15.5774

# Details

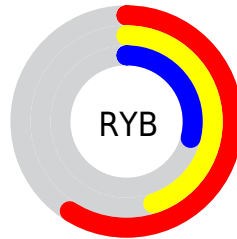
The YIQ color **111.8720, 38.4670, 2.2030** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **111.1280, -38.4670, -2.2030**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **164.1390, 42.0890, 2.6410**, and **63.0070, 33.6530, 1.3410** is the 20% darker color. If you saturate the color by 10%, you get **104.2920, 46.0320, 2.7680**, and if you desaturate by 10%, it is **119.4520, 30.9020, 1.6380**.

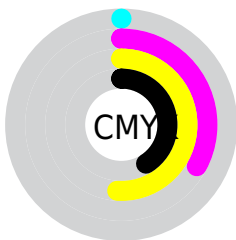
# Distribution



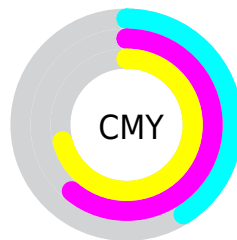
- Red (59%)
- Green (39%)
- Blue (29%)



- Red (59%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (51%)
- Black (41%)



- Cyan (41%)
- Magenta (61%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 111.8720, 38.4670, 2.2030 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 111.8720, 38.4670, 2.2030 by changing the saturation by 10% instead.





 111.8720, 38.4670,  
2.2030


 111.8720, 38.4670,  
2.2030


255.0000, -0.0000,  
-0.0000


 87.0890, 36.3580,  
1.8780


 164.1390, 42.0890,  
2.6410


 63.1210, 33.3320,  
1.6520


 191.6230, 43.6020,  
2.7540


 39.9960, 32.1860,  
0.3940


 216.5300, 39.4300,  
1.2700

 19.6240, 24.6660,  
4.5220

 236.6310, 22.7880,  
-5.5000

 3.5880, 7.1520,  
2.5440

 252.1500, 8.0250,  
-7.7750

 0.0000, 0.0000,  
0.0000

■ 111.8720, 38.4670,  
2.2030

■ 111.8720, 38.4670,  
2.2030

■ 104.2920, 46.0320,  
2.7680

■ 119.4520, 30.9020,  
1.6380

■ 96.7120, 53.5970,  
3.3330

■ 126.4450, 23.6120,  
1.5960

■ 89.7190, 60.8870,  
3.3750

■ 134.0250, 16.0470,  
1.0310

■ 82.1390, 68.4520,  
3.9400

■ 141.6050, 8.4820,  
0.4660

■ 75.3740, 75.1000,  
4.6040

■ 149.1850, 0.9170,  
-0.0990

■ 156.1780, -6.3730,  
-0.1410

■ 163.7580,  
-13.9380, -0.7060

■ 171.3380,

-21.5030, -1.2710

■ 178.9180,  
-29.0680, -1.8360

# Harmonies

## Analogous

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



113.3210, 39.0610, 13.4690



111.8720, 38.4670, 2.2030



110.0460, 28.7490, -8.9070

# Triad

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



111.8720, 38.4670, 2.2030



98.3270, -41.3060, -22.3460



112.5860, -15.7290, 15.2390

# Complementary

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



111.8720, 38.4670, 2.2030



111.1280, -38.4670, -2.2030

# 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.



106.0660, -43.9240, 3.0840



111.8720, 38.4670, 2.2030



87.7220, -76.1510, -24.1110

# Square

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



111.8720, 38.4670, 2.2030



104.5830, -12.7880, -21.5560



91.7150, -74.2730, -14.0890



114.8620, 10.0370, 21.8530



# Rectangle

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



111.8720, 38.4670, 2.2030



108.7840, 17.5630, -15.4370



91.7150, -74.2730, -14.0890



111.1010, -24.6690, 12.0590

# Sweetspot

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



111.8720, 38.4670, 2.2030



179.5410, 14.5340, 0.9180



101.8370, 29.5210, 32.1850



88.4910, 8.8030, 0.1550



224.0000, -0.0000, 0.0000



97.0000, -0.0000, 0.0000



# Same Dimension

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



111.8720, 38.4670, 2.2030



134.5340, 59.9700, 3.4740



133.5910, 28.2920, -17.1480



70.2670, 3.6220, 0.4380



69.4380, 69.0480, 4.1520



5.3380, 4.8600, 0.0280



# Inverse Universe

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



111.1280, -38.4670, -2.2030



133.4660, -59.9700, -3.4740



89.4090, -28.2920, 17.1480



70.1460, -3.3470, 0.0850



68.5620, -69.0480, -4.1520



5.2490, -5.1350, -0.5510



# Previews

## White Background



This preview shows how the YIQ color 111.8720, 38.4670, 2.2030 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



This preview shows how the YIQ color 111.8720, 38.4670, 2.2030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

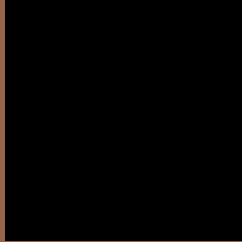
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 111.8720, 38.4670, 2.2030

## Background



This preview shows how black text looks on a background with the YIQ color 111.8720, 38.4670, 2.2030.



This preview shows how white text looks on a background with the YIQ color 111.8720, 38.4670,



# 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

111.8720, 38.4670, 2.2030

### Protanopia

110.8150, 16.2780, -8.6660

### Deuteranopia

111.3820, 27.9230, -4.9490



## Tritanopia

113.5420, 31.1290, 14.0490

# Trichromacy



## Original Color

111.8720, 38.4670, 2.2030

## Protanomaly

111.5280, 24.5760, -4.8640

## Deuteranomaly

111.1160, 31.7280, -2.3200

## Tritanomaly

112.5760, 33.7890, 9.8930

# Monochromacy



## Original Color

111.8720, 38.4670, 2.2030

## Achromatopsia

112.0000, -0.0000, 0.0000

## Achromatomaly

112.2420, 13.9380, 0.7060

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 111.8720, 38.4670, 2.2030 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(150, 100, 73)` looks like.

```
.text, #text, p{  
    color:rgb(150, 100, 73)  
}
```

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(150, 100, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 100, 73) }
```

## Border

The CSS property to change the border of an element to YIQ 111.8720, 38.4670, 2.2030 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(150, 100, 73) }
```



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

```
.border{ border-color:rgb(150, 100, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 100, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 100, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 100, 73);  
box-shadow:4px 4px 4px 4px rgb(150, 100,  
73) }
```

# Background

The CSS property to change the background color of an element to YIQ 111.8720, 38.4670, 2.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 100, 73) }
```

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

```
.background{ background-color: rgb(150,  
100, 73) }
```

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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