

# Converting Colors

YIQ(99.9730, -40.0690,  
-17.2290)

Have a look what the booklet for  
YIQ(99.9730, -40.0690, -17.2290)  
contains.

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# Color

**YIQ(99.9730, -40.0690,  
-17.2290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	337A73
RGB	51, 122, 115
RGB Percent	20%, 48%, 45%
CMY	0.8002, 0.5214, 0.5492
CMYK	0.58, 0.00, 0.06, 0.52
HSL	174°, 41%, 34%
HSV	174°, 58%, 48%
XYZ	11.4185, 15.8660, 18.6685
YIQ	99.9730, -40.0690, -17.2290

# Conversions

## Conversions Part 2

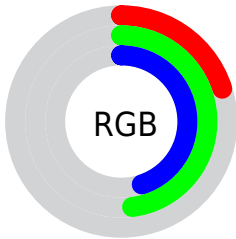
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 88, 122
Decimal	3373683
CIE <sub>Lab</sub>	46.80, -23.97, -2.84
CIE <sub>LCh</sub>	47, 24.135, 186.747
Yxy	15.8660, 0.2485, 0.3453
Android (android.graphics.Color)	4281563763 (0xFF337A73)
<b>YUV</b>	99.9730, 7.4083, -42.9493
Hunter-Lab	39.8321, -18.5365, 0.0945

# Details

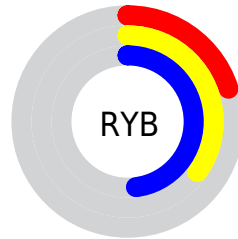
The YIQ color **99.9730, -40.0690, -17.2290** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **73.0270, 40.0690, 17.2290**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **153.1580, -39.1520, -17.3280**, and **50.4890, -41.5820, -17.3420** is the 20% darker color. If you saturate the color by 10%, you get **96.2710, -46.9000, -20.0840**, and if you desaturate by 10%, it is **103.6750, -33.2380, -14.3740**.

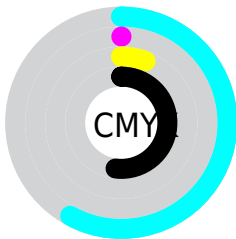
# Distribution



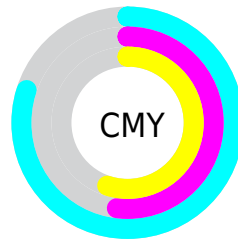
- Red (20%)
- Green (48%)
- Blue (45%)



- Red (20%)
- Yellow (35%)
- Blue (48%)



- Cyan (58%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)



- Cyan (80%)
- Magenta (52%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.9730, -40.0690, -17.2290 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 99.9730, -40.0690, -17.2290 by changing the saturation by 10% instead.



■ 99.9730, -40.0690,  
-17.2290

■ 99.9730, -40.0690,  
-17.2290

■ 255.0000, -0.0000,  
-0.0000

■ 73.1790, -43.6450,  
-18.5010

■ 153.1580,  
-39.1520, -17.3280

■ 50.4890, -41.5820,  
-17.3420

■ 180.1580,  
-39.1520, -17.3280

■ 34.4800, -28.1950,  
-12.1550

■ 208.4460,  
-40.0230, -18.0630

■ 20.3460, -15.9540,  
-8.2260

■ 234.0980,  
-38.9230, -15.9710

■ 0.0000, 0.0000,  
0.0000

■ 243.3390,  
-23.2440, -8.2680

■ 252.0100, -5.9600,

-2.1200

■ 99.9730, -40.0690,  
-17.2290

■ 99.9730, -40.0690,  
-17.2290

■ 96.2710, -46.9000,  
-20.0840

■ 103.6750,  
-33.2380, -14.3740

■ 92.5690, -53.7310,  
-22.9390

■ 107.3770,  
-26.4070, -11.5190

■ 88.4540, -60.8370,  
-26.3170

■ 111.4920,  
-19.3010, -8.1410

■ 84.7520, -67.6680,  
-29.1720

■ 115.1940,  
-12.4700, -5.2860

■ 84.1540, -68.8600,  
-29.5960

■ 118.8960, -5.6390,  
-2.4310

■ 122.5980, 1.1920,  
0.4240

■ 126.3000, 8.0230,  
3.2790

■ 130.4150, 15.1290,  
6.6570

■ 134.1170, 21.9600,  
9.5120

# Harmonies

## Analogous

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



103.8690, -19.3450, -18.3610



99.9730, -40.0690, -17.2290



98.5620, -51.8530, -12.9170

# Triad

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



99.9730, -40.0690, -17.2290



113.2300, -2.9830, 15.5210



110.7460, 29.8940, -2.1220

# Complementary

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



99.9730, -40.0690, -17.2290



73.0270, 40.0690, 17.2290

# 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.



112.1090, 33.6060, 7.7020



99.9730, -40.0690, -17.2290



113.8640, 15.7230, 17.9230

# Square

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



99.9730, -40.0690, -17.2290



109.2810, -25.3560, 7.9880



113.4000, 28.6530, 14.8690



109.0170, 18.5250, -10.8430



# Rectangle

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



99.9730, -40.0690, -17.2290



101.5180, -48.5530, -6.6410



113.4000, 28.6530, 14.8690



111.5230, 32.1400, 1.2280

# Sweetspot

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



99.9730, -40.0690, -17.2290



149.5850, -15.1290, -6.6570



94.7700, -15.3530, -35.6490



73.9880, -8.8940, -4.0140



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000



# Same Dimension

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



99.9730, -40.0690, -17.2290



123.5570, -62.6250, -26.9530



84.3350, -34.6160, -0.4080



59.2060, -3.5760, -1.2720



86.2570, -70.6480, -30.2320



173.8020, -142.1670, -61.1990



# Inverse Universe

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



73.0270, 40.0690, 17.2290



81.4430, 62.6250, 26.9530



88.6650, 34.6160, 0.4080



56.9080, 3.2550, 1.5830



38.7430, 70.6480, 30.2320

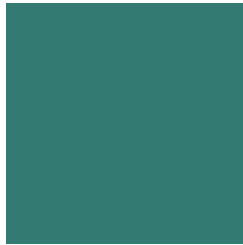


78.1980, 142.1670, 61.1990



# Previews

## White Background



This preview shows how the YIQ color 99.9730, -40.0690, -17.2290 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 99.9730, -40.0690, -17.2290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

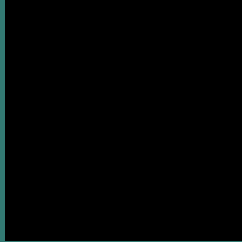
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 99.9730, -40.0690, -17.2290

## Background



This preview shows how black text looks on a background with the YIQ color 99.9730, -40.0690, -17.2290.



This preview shows how white text looks on a background with the YIQ color 99.9730, -40.0690,

-17.2290.

# 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

99.9730, -40.0690, -17.2290

### Protanopia

110.6690, 2.4300, 0.0140

### Deuteranopia

111.2440, 2.4290, 5.5410



## Tritanopia

102.3030, -40.7580, -10.2460

# Trichromacy



## Original Color

99.9730, -40.0690, -17.2290

## Protanomaly

106.4820, -13.3410, -6.0210

## Deuteranomaly

106.8890, -12.9290, -2.4730

## Tritanomaly

101.7220, -40.6200, -12.7480

# Monochromacy



## Original Color

99.9730, -40.0690, -17.2290

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

99.8840, -14.5330, -6.4450

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.9730, -40.0690, -17.2290 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(51, 122, 115)` looks like.

```
.text, #text, p{  
    color:rgb(51, 122, 115)  
}
```

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(51, 122, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 122, 115) }
```

## Border

The CSS property to change the border of an element to YIQ 99.9730, -40.0690, -17.2290 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(51, 122, 115) }
```



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

```
.border{ border-color:rgb(51, 122, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 122, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 122, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 122, 115);  
box-shadow:4px 4px 4px 4px rgb(51, 122,  
115) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.9730, -40.0690, -17.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 122, 115) }
```

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

```
.background{ background-color: rgb(51, 122,  
115) }
```

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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