

# Converting Colors

YIQ(101.5840, 12.9750, 1.6390)

Have a look what the booklet for  
YIQ(101.5840, 12.9750, 1.6390)  
contains.

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# Color

**YIQ(101.5840, 12.9750,  
1.6390)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	73615A
RGB	115, 97, 90
RGB Percent	45%, 38%, 35%
CMY	0.5490, 0.6196, 0.6470
CMYK	0.00, 0.16, 0.22, 0.55
HSL	17°, 12%, 40%
HSV	17°, 22%, 45%
XYZ	13.1916, 12.9319, 11.4769
YIQ	101.5840, 12.9750, 1.6390

# Conversions

## Conversions Part 2

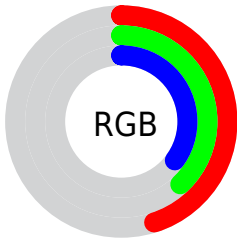
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 100, 90
Decimal	7561562
CIE Lab	42.66, 6.03, 6.66
CIE LCh	43, 8.985, 47.867
Yxy	12.9319, 0.3508, 0.3439
Android (android.graphics.Color)	4285751642 (0xFF73615A)
YUV	101.5840, -5.7109, 11.7658
Hunter-Lab	35.9610, 2.5476, 6.2503

# Details

The YIQ color **101.5840, 12.9750, 1.6390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **103.4160, -12.9750, -1.6390**, and the grayscale version is **102.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **152.7690, 13.8920, 1.5400**, and **54.6870, 11.1870, 1.0030** is the 20% darker color. If you saturate the color by 10%, you get **95.6340, 18.7060, 2.4020**, and if you desaturate by 10%, it is **107.6480, 6.9230, 1.1870**.

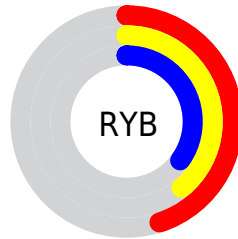
# Distribution



Red (45%)

Green (38%)

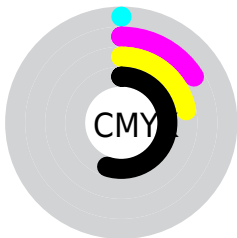
Blue (35%)



Red (45%)

Yellow (39%)

Blue (35%)

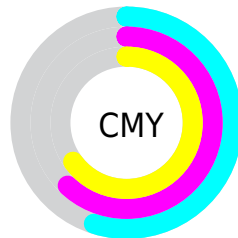


Cyan (0%)

Magenta (16%)

Yellow (22%)

Black (55%)



Cyan (55%)

Magenta (62%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 101.5840, 12.9750, 1.6390 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 101.5840, 12.9750, 1.6390 by changing the saturation by 10% instead.



■ 101.5840, 12.9750,  
1.6390

■ 101.5840, 12.9750,  
1.6390

■ 255.0000, -0.0000,  
-0.0000

■ 77.3990, 12.0580,  
1.7380

■ 152.7690, 13.8920,  
1.5400

■ 54.6870, 11.1870,  
1.0030

■ 179.3670, 15.0840,  
1.9640

■ 33.5020, 10.2700,  
1.1020

■ 207.3670, 15.0840,  
1.9640

■ 10.1110, 12.9290,  
2.4730

■ 235.2530, 15.4050,  
1.6530

■ 0.0000, 0.0000,  
0.0000

■ 254.4300, 1.6050,  
-1.5550

■ 101.5840, 12.9750,  
1.6390

■ 101.5840, 12.9750,  
1.6390

■ 95.6340, 18.7060,  
2.4020

■ 107.6480, 6.9230,  
1.1870

■ 88.9830, 25.0330,  
3.3770

■ 114.1850, 0.9170,  
-0.0990

■ 83.0330, 30.7640,  
4.1400

■ 120.2490, -5.1350,  
-0.5510

■ 76.9690, 36.8160,  
4.5920

■ 126.1990,  
-10.8660, -1.3140

■ 71.0190, 42.5470,  
5.3550

■ 132.2630,  
-16.9180, -1.7660

■ 64.3680, 48.8740,  
6.3300

■ 138.8000,  
-22.9240, -3.0520

■ 58.4180, 54.6050,  
7.0930

■ 144.8640,  
-28.9760, -3.5040

■ 53.1690, 59.7400,

■ 150.8140,

7.6440

-34.7070, -4.2670

■ 157.4650,  
-41.0340, -5.2420

# Harmonies

## Analogous

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



102.2790, 12.5160, 4.4520



101.5840, 12.9750, 1.6390



100.8070, 10.7290, -1.7110

# Triad

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



101.5840, 12.9750, 1.6390



98.4070, -8.7560, -6.5160



101.1120, -6.0070, 4.2410

# Complementary

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



101.5840, 12.9750, 1.6390



103.4160, -12.9750, -1.6390

# 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.



99.5950, -11.9210, 1.2870



101.5840, 12.9750, 1.6390



98.1230, -13.7080, -4.8760

# Square

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



101.5840, 12.9750, 1.6390



99.2290, -2.3830, -6.3750



98.5190, -14.7630, -2.2750



101.5860, 1.4660, 6.4740



# Rectangle

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



101.5840, 12.9750, 1.6390



100.4860, 7.1990, -3.8170



98.5190, -14.7630, -2.2750



100.8020, -8.0700, 3.0820

# Sweetspot

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



101.5840, 12.9750, 1.6390



144.7510, 5.1350, 0.5510



99.5270, 9.1220, 10.8980



73.2670, 3.6220, 0.4380



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



101.5840, 12.9750, 1.6390



129.1180, 20.2190, 2.5150



108.6280, 9.6750, -4.6370



55.3810, 3.3010, 0.7490



56.4360, 63.3620, 8.0820



115.8400, 129.7500, 16.3900



# Inverse Universe

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



103.4160, -12.9750, -1.6390



132.4690, -20.4940, -3.0380



96.3720, -9.6750, 4.6370



56.0320, -3.0260, -0.2260



65.5640, -63.3620, -8.0820



134.1600, -129.7500, -16.3900



# Previews

## White Background



This preview shows how the YIQ color 101.5840, 12.9750, 1.6390 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 101.5840, 12.9750, 1.6390 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

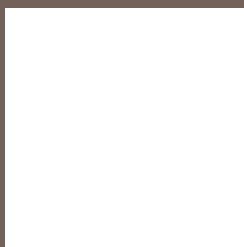
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 101.5840, 12.9750, 1.6390

## Background



This preview shows how black text looks on a background with the YIQ color 101.5840, 12.9750, 1.6390.



This preview shows how white text looks on a background with the YIQ color 101.5840, 12.9750,



# 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

101.5840, 12.9750, 1.6390

### Protanopia

100.5830, 5.5480, -1.4280

### Deuteranopia

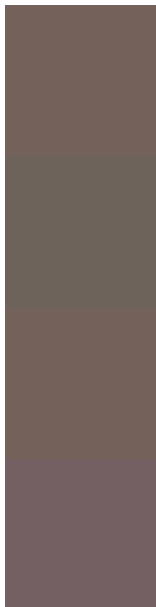
101.5840, 12.9750, 1.6390



## Tritanopia

102.4900, 10.5440, 7.1520

# Trichromacy



## Original Color

101.5840, 12.9750, 1.6390

## Protanomaly

101.0780, 8.5280, -0.3680

## Deuteranomaly

101.5840, 12.9750, 1.6390

## Tritanomaly

102.2080, 11.2780, 4.8620

# Monochromacy



## Original Color

101.5840, 12.9750, 1.6390

## Achromatopsia

102.0000, -0.0000, -0.0000

## Achromatomaly

101.8650, 4.8140, 0.8620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 101.5840, 12.9750, 1.6390 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(115, 97, 90)` looks like.

```
.text, #text, p{  
    color:rgb(115, 97, 90)  
}
```

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(115, 97, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 97, 90) }
```

## Border

The CSS property to change the border of an element to YIQ 101.5840, 12.9750, 1.6390 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(115, 97, 90) }
```



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

```
.border{ border-color:rgb(115, 97, 90) }
```

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

Here you see how a box with a 4 pixel rgb(115, 97, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 97, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 97, 90);  
box-shadow:4px 4px 4px 4px rgb(115, 97,  
90) }
```

# Background

The CSS property to change the background color of an element to YIQ 101.5840, 12.9750, 1.6390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 97, 90) }
```

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

```
.background{ background-color: rgb(115, 97,  
90) }
```

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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