

# Converting Colors

YIQ(116.7440, -11.3230,  
-9.5550)

Have a look what the booklet for  
YIQ(116.7440, -11.3230, -9.5550)  
contains.

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# Color

**YIQ(116.7440, -11.3230,  
-9.5550)**

# Conversions

## Conversions Part 1

Format	Color
Hex	647E71
RGB	100, 126, 113
RGB Percent	39%, 49%, 44%
CMY	0.6079, 0.5058, 0.5569
CMYK	0.21, 0.00, 0.10, 0.51
HSL	150°, 12%, 44%
HSV	150°, 21%, 49%
XYZ	15.6959, 18.8249, 18.4265
YIQ	116.7440, -11.3230, -9.5550

# Conversions

## Conversions Part 2

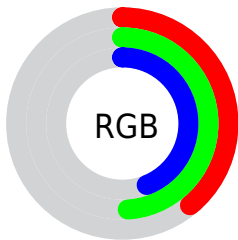
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 117, 126
Decimal	6585969
CIE <sub>Lab</sub>	50.48, -12.24, 4.00
CIE <sub>LCh</sub>	50, 12.878, 161.916
Yxy	18.8249, 0.2964, 0.3555
Android (android.graphics.Color)	4284776049 (0xFF647E71)
YUV	116.7440, -1.8458, -14.6845
Hunter-Lab	43.3876, -11.3540, 5.1912




# Details

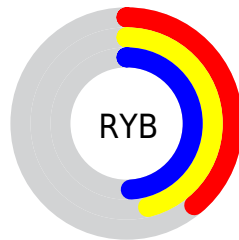
The YIQ color **116.7440, -11.3230, -9.5550** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **109.2560, 11.3230, 9.5550**, and the grayscale version is **117.0000, -0.0000, 0.0000**.




A 20% lighter version of the original color is **169.0320, -12.1940, -10.2900**, and **68.4560, -10.4520, -8.8200** is the 20% darker color. If you saturate the color by 10%, you get **112.1730, -17.1450, -14.1770**, and if you desaturate by 10%, it is **121.3150, -5.5010, -4.9330**.

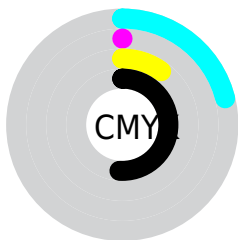
# Distribution







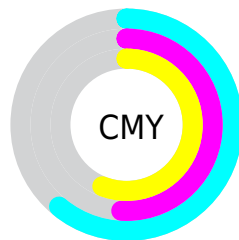
-  Red (39%)
-  Green (49%)
-  Blue (44%)






-  Red (39%)
-  Yellow (46%)
-  Blue (49%)



-  Cyan (21%)
-  Magenta (0%)
-  Yellow (10%)
-  Black (51%)



-  Cyan (61%)
-  Magenta (51%)
-  Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 116.7440, -11.3230, -9.5550 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 116.7440, -11.3230, -9.5550 by changing the saturation by 10% instead.



■ 116.7440,  
-11.3230, -9.5550

■ 116.7440,  
-11.3230, -9.5550

■ 255.0000, -0.0000,  
-0.0000

■ 92.1570, -11.0480,  
-9.0320

■ 169.0320,  
-12.1940, -10.2900

■ 68.4560, -10.4520,  
-8.8200

■ 196.0320,  
-12.1940, -10.2900

■ 45.8690, -10.1770,  
-8.2970

■ 224.6190,  
-12.4690, -10.8130

■ 24.6840, -11.0940,  
-8.1980

■ 247.9230,  
-10.2690, -6.6290

■ 1.7610, -0.8250,  
-1.5690

■ 0.0000, 0.0000,  
0.0000

■ 116.7440,  
-11.3230, -9.5550

■ 116.7440,  
-11.3230, -9.5550

■ 112.1730,  
-17.1450, -14.1770

■ 121.3150, -5.5010,  
-4.9330

■ 107.7870,  
-22.0500, -18.8980

■ 125.7010, -0.5960,  
-0.2120

■ 103.2160,  
-27.8720, -23.5200

■ 130.2720, 5.2260,  
4.4100

■ 98.9440, -33.0980,  
-27.9300

■ 134.5440, 10.4520,  
8.8200

■ 94.2590, -38.5990,  
-32.8630

■ 139.2290, 15.9530,  
13.7530

■ 89.6880, -44.4210,  
-37.4850

■ 143.8000, 21.7750,  
18.3750

■ 85.4160, -49.6470,  
-41.8950

■ 148.0720, 27.0010,  
22.7850

■ 81.1440, -54.8730,

■ 152.6430, 32.8230,

-46.3050

27.4070

■ 157.0290, 37.7280,  
32.1280

# Harmonies

## Analogous

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



118.1320, -0.7320, -8.7640



116.7440, -11.3230, -9.5550



116.1930, -19.8970, -8.3530

# Triad

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



116.7440, -11.3230, -9.5550



120.6000, -10.3170, 5.2590



121.4600, 19.2560, 3.4480

# Complementary

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



116.7440, -11.3230, -9.5550



109.2560, 11.3230, 9.5550

# 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.



122.3120, 16.9170, 7.2930



116.7440, -11.3230, -9.5550



121.8680, 0.7320, 8.7640

# Square

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



116.7440, -11.3230, -9.5550



118.1750, -19.4860, 0.7220



122.0710, 10.4060, 9.6540



120.4440, 16.1850, -1.4710



# Rectangle

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



116.7440, -11.3230, -9.5550



116.1050, -22.4650, -5.8650



122.0710, 10.4060, 9.6540



121.5140, 19.1640, 5.1160

# Sweetspot

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



116.7440, -11.3230, -9.5550



159.4400, -4.3550, -3.6750



119.1490, 0.5980, -10.8420



79.8640, -2.6130, -2.2050



209.0000, 0.0000, 0.0000



82.0000, 0.0000, -0.0000



# Same Dimension

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



116.7440, -11.3230, -9.5550



148.4610, -18.0160, -14.9120



118.2260, -15.4960, -5.5120



61.5650, -3.2090, -2.4170



82.4320, -55.7440, -47.0400



0.0000, 0.0000, 0.0000



# Inverse Universe

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



109.2560, 11.3230, 9.5550



136.6530, 17.6950, 15.2230



107.7740, 15.4960, 5.5120



59.5490, 2.8880, 2.7280



45.5680, 55.7440, 47.0400



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the YIQ color 116.7440, -11.3230, -9.5550 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 116.7440, -11.3230, -9.5550 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

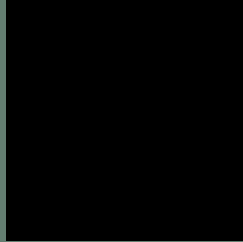
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 116.7440, -11.3230, -9.5550

## Background



This preview shows how black text looks on a background with the YIQ color 116.7440, -11.3230, -9.5550.



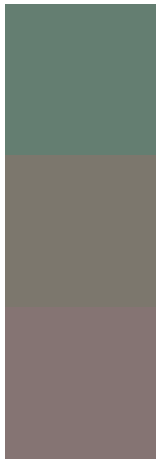
This preview shows how white text looks on a background with the YIQ color 116.7440, -11.3230, -9.5550.

-9.5550.

# 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

116.7440, -11.3230, -9.5550

### Protanopia

119.3550, 6.1900, -2.0500

### Deuteranopia

120.9690, 10.4530, 3.2930



## Tritanopia

118.4590, -14.5340, -0.9180

# Trichromacy



## Original Color

116.7440, -11.3230, -9.5550

## Protanomaly

118.5390, -0.3200, -5.2160

## Deuteranomaly

119.6150, 2.5220, -1.6540

## Tritanomaly

117.9490, -13.1580, -3.8300

# Monochromacy



## Original Color

116.7440, -11.3230, -9.5550

## Achromatopsia

117.0000, -0.0000, 0.0000

## Achromatomaly

116.8530, -4.0800, -3.1520

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 116.7440, -11.3230, -9.5550 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(100, 126, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 126, 113)  
}
```

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(100, 126, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 126, 113) }
```

## Border

The CSS property to change the border of an element to YIQ 116.7440, -11.3230, -9.5550 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(100, 126, 113) }
```



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

```
.border{ border-color:rgb(100, 126, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 126, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 126, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 126, 113);  
box-shadow:4px 4px 4px 4px rgb(100, 126,  
113) }
```

# Background

The CSS property to change the background color of an element to YIQ 116.7440, -11.3230, -9.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 126, 113) }
```

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

```
.background{ background-color: rgb(100,  
126, 113) }
```

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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