

# Converting Colors

YIQ(105.8010, -7.4700,  
-18.8140)

Have a look what the booklet for  
YIQ(105.8010, -7.4700, -18.8140)  
contains.

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# Color

**YIQ(105.8010, -7.4700,  
-18.8140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	577852
RGB	87, 120, 82
RGB Percent	34%, 47%, 32%
CMY	0.6589, 0.5293, 0.6784
CMYK	0.28, 0.00, 0.32, 0.53
HSL	112°, 19%, 40%
HSV	112°, 32%, 47%
XYZ	12.1692, 16.0704, 10.4432
YIQ	105.8010, -7.4700, -18.8140

# Conversions

## Conversions Part 2

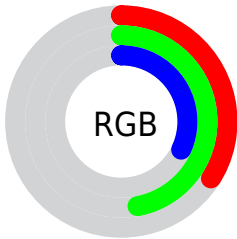
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	82, 120, 115
Decimal	5732434
CIE <sub>Lab</sub>	47.07, -19.83, 17.19
CIE <sub>LCh</sub>	47, 26.244, 139.089
Yxy	16.0704, 0.3146, 0.4154
Android (android.graphics.Color)	4283922514 (0xFF577852)
YUV	105.8010, -11.7339, -16.4885
Hunter-Lab	40.0879, -15.9681, 12.6162

# Details

The YIQ color  $105.8010, -7.4700, -18.8140$  is a dark color, and the websafe version is hex  $336633$ . A complement of this color would be  $96.1990, 7.4700, 18.8140$ , and the grayscale version is  $106.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $157.2740, -7.4240, -19.6480$ , and  $57.8550, -7.5620, -17.1460$  is the 20% darker color. If you saturate the color by 10%, you get  $101.4430, -9.5780, -24.6660$ , and if you desaturate by 10%, it is  $110.1590, -5.3620, -12.9620$ .

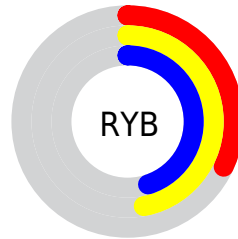
# Distribution



Red (34%)

Green (47%)

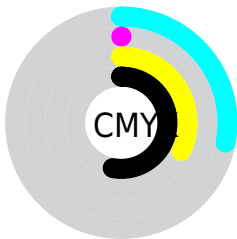
Blue (32%)



Red (32%)

Yellow (47%)

Blue (45%)

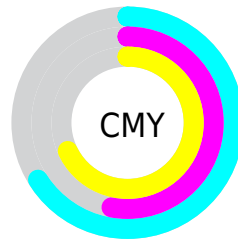


Cyan (28%)

Magenta (0%)

Yellow (32%)

Black (53%)



Cyan (66%)

Magenta (53%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 105.8010, -7.4700, -18.8140 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 105.8010, -7.4700, -18.8140 by changing the saturation by 10% instead.



■ 105.8010, -7.4700,  
-18.8140

■ 105.8010, -7.4700,  
-18.8140

■ 255.0000, -0.0000,  
-0.0000

■ 81.3280, -7.5160,  
-17.9800

■ 157.2740, -7.4240,  
-19.6480

■ 57.8550, -7.5620,  
-17.1460

■ 184.4480, -7.9740,  
-20.6940

■ 35.6700, -8.4790,  
-17.0470

■ 212.3340, -7.6530,  
-21.0050

■ 17.0230, -7.9750,  
-15.1670

■ 239.7470, -7.3780,  
-20.4820

■ 0.0000, 0.0000,  
0.0000

■ 251.3110, 0.3220,  
-5.8380

■ 105.8010, -7.4700,  
-18.8140

■ 105.8010, -7.4700,  
-18.8140

■ 101.4430, -9.5780,  
-24.6660

■ 110.1590, -5.3620,  
-12.9620

■ 96.7860, -12.2820,  
-30.7300

■ 114.8160, -2.6580,  
-6.8980

■ 92.4280, -14.3900,  
-36.5820

■ 119.1740, -0.5500,  
-1.0460

■ 87.7710, -17.0940,  
-42.6460

■ 123.8310, 2.1540,  
5.0180

■ 83.4130, -19.2020,  
-48.4980

■ 128.1890, 4.2620,  
10.8700

■ 78.7560, -21.9060,  
-54.5620

■ 132.8460, 6.9660,  
16.9340

■ 75.2240, -23.4640,  
-59.3680

■ 137.2040, 9.0740,  
22.7860

■ 141.5620, 11.1820,

28.6380

■ 146.2190, 13.8860,  
34.7020

# Harmonies

## Analogous

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



108.8590, 12.9780, -14.9420



105.8010, -7.4700, -18.8140



101.5840, -31.7240, -19.7880

# Triad

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



105.8010, -7.4700, -18.8140



105.6810, -41.4020, 1.4300



113.2820, 34.7970, 13.6530

# Complementary

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



105.8010, -7.4700, -18.8140



96.1990, 7.4700, 18.8140

# 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.



114.1100, 23.8380, 19.5340



105.8010, -7.4700, -18.8140



112.2220, -17.7000, 12.4120

# Square

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



105.8010, -7.4700, -18.8140



97.6090, -59.2350, -11.2910



114.8290, 5.6360, 19.0120



112.2570, 35.9450, 3.8570



# Rectangle

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



105.8010, -7.4700, -18.8140



98.4990, -47.5420, -19.4620



114.8290, 5.6360, 19.0120



114.1940, 32.2290, 16.1410

# Sweetspot

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



105.8010, -7.4700, -18.8140



149.9900, -3.2080, -7.9440



112.7330, 13.5730, -9.2030



75.5820, -1.8790, -4.4950



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.



105.8010, -7.4700, -18.8140



133.6120, -11.7320, -29.6840



105.9020, -14.9440, -15.5200



58.8210, -1.0540, -2.9260



78.1590, -24.8390, -61.9830



157.7910, -49.6320, -124.8000



# Inverse Universe

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



96.1990, 7.4700, 18.8140



118.3880, 11.7320, 29.6840



96.0980, 14.9440, 15.5200



57.1790, 1.0540, 2.9260



46.8410, 24.8390, 61.9830

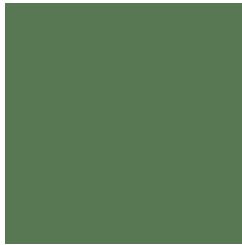


94.2090, 49.6320, 124.8000



# Previews

## White Background



This preview shows how the YIQ color 105.8010, -7.4700, -18.8140 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 105.8010, -7.4700, -18.8140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

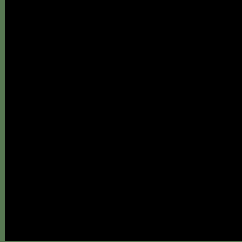
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 105.8010, -7.4700, -18.8140

## Background



This preview shows how black text looks on a background with the YIQ color 105.8010, -7.4700, -18.8140.



This preview shows how white text looks on a background with the YIQ color 105.8010, -7.4700,

-18.8140.

# 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

105.8010, -7.4700, -18.8140

### Protanopia

109.9290, 15.9570, -8.3550

### Deuteranopia

111.6680, 21.3660, -1.7540



## Tritanopia

109.7470, -15.4050, -1.6530

# Trichromacy



## Original Color

105.8010, -7.4700, -18.8140

## Protanomaly

108.2160, 7.6590, -12.1570

## Deuteranomaly

109.7050, 10.7760, -8.0720

## Tritanomaly

108.3140, -12.9280, -8.0000

# Monochromacy



## Original Color

105.8010, -7.4700, -18.8140

## Achromatopsia

106.0000, -0.0000, -0.0000

## Achromatomaly

105.8160, -2.6580, -6.8980

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 105.8010, -7.4700, -18.8140 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(87, 120, 82)` looks like.

```
.text, #text, p{  
    color:rgb(87, 120, 82)  
}
```

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(87, 120, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 120, 82) }
```

## Border

The CSS property to change the border of an element to YIQ 105.8010, -7.4700, -18.8140 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(87, 120, 82) }
```



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

```
.border{ border-color:rgb(87, 120, 82) }
```

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

Here you see how a box with a 4 pixel rgb(87, 120, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 120, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 120, 82);  
box-shadow:4px 4px 4px 4px rgb(87, 120,  
82) }
```

# Background

The CSS property to change the background color of an element to YIQ 105.8010, -7.4700, -18.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 120, 82) }
```

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

```
.background{ background-color: rgb(87, 120,  
82) }
```

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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