

# Converting Colors

YIQ(36.7490, -18.8870,  
-15.6470)

Have a look what the booklet for  
YIQ(36.7490, -18.8870, -15.6470)  
contains.

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# Color

**YIQ(36.7490, -18.8870,  
-15.6470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09341F
RGB	9, 52, 31
RGB Percent	4%, 20%, 12%
CMY	0.9648, 0.7960, 0.8785
CMYK	0.83, 0.00, 0.40, 0.80
HSL	151°, 71%, 12%
HSV	151°, 83%, 20%
XYZ	1.5882, 2.6143, 1.7162
YIQ	36.7490, -18.8870, -15.6470

# Conversions

## Conversions Part 2

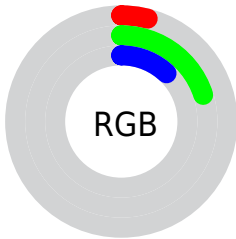
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	9, 37, 52
Decimal	603167
CIE <sub>Lab</sub>	18.43, -20.57, 9.21
CIE <sub>LCh</sub>	18, 22.537, 155.871
Yxy	2.6143, 0.2683, 0.4417
Android (android.graphics.Color)	4278793247 (0xFF09341F)
YUV	36.7490, -2.8343, -24.3359
Hunter-Lab	16.1689, -10.7622, 5.0251

# Details

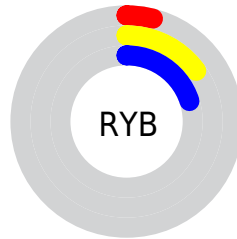
The YIQ color **36.7490, -18.8870, -15.6470** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **24.2510, 18.8870, 15.6470**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **84.0050, -16.7320, -16.1560**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.9120, -20.9040, -17.6400**, and if you desaturate by 10%, it is **38.5860, -16.8700, -13.6540**.

# Distribution



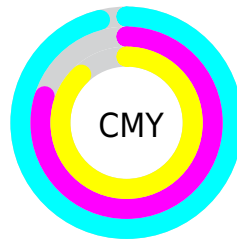
- Red (4%)
- Green (20%)
- Blue (12%)



- Red (4%)
- Yellow (15%)
- Blue (20%)



- Cyan (83%)
- Magenta (0%)
- Yellow (40%)
- Black (80%)



- Cyan (96%)
- Magenta (80%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 36.7490, -18.8870, -15.6470 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 36.7490, -18.8870, -15.6470 by changing the saturation by 10% instead.



■ 36.7490, -18.8870,  
-15.6470

■ 36.7490, -18.8870,  
-15.6470

■ 251.4120, -7.1520,  
-2.5440

■ 18.9950, -10.7720,  
-14.0360

■ 84.0050, -16.7320,  
-16.1560

■ 0.0000, 0.0000,  
0.0000

■ 108.5920,  
-17.0070, -16.6790


■ 134.1790,  
-17.2820, -17.2020


■ 160.7660,  
-17.5570, -17.7250


■ 187.3530,  
-17.8320, -18.2480


■ 215.6410,


-18.7030, -18.9830


 240.1190,  
-17.0530, -15.8450


 36.7490, -18.8870,  
-15.6470


 36.7490, -18.8870,  
-15.6470


 34.9120, -20.9040,  
-17.6400


 38.5860, -16.8700,  
-13.6540

 33.6020, -22.9670,  
-18.7990

 40.3090, -14.5320,  
-11.9720

 42.4450, -11.9190,  
-9.7670

 44.1680, -9.5810,  
-8.0850

 46.0050, -7.5640,  
-6.0920

■ 47.7280, -5.2260,  
-4.4100

■ 49.5650, -3.2090,  
-2.4170

■ 51.5870, -0.2750,  
-0.5230

■ 53.4240, 1.7420,  
1.4700

# Harmonies

## Analogous

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



40.8670, 1.3320, -13.1320



36.7490, -18.8870, -15.6470



36.5830, -29.9830, -12.7910

# Triad

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



36.7490, -18.8870, -15.6470



41.7600, -25.4470, 4.1290



44.2760, 25.7660, 6.6140

# Complementary

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



36.7490, -18.8870, -15.6470



24.2510, 18.8870, 15.6470

# 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.



45.4100, 22.6930, 12.7490



36.7490, -18.8870, -15.6470



45.9370, -3.7160, 12.2840

# Square

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



36.7490, -18.8870, -15.6470



37.7860, -37.5040, -3.1360



46.1300, 11.9180, 15.2940



44.0380, 23.2000, -1.9520



# Rectangle

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



36.7490, -18.8870, -15.6470



37.8370, -33.5140, -9.3700



46.1300, 11.9180, 15.2940



44.8570, 25.6280, 9.1160

# Sweetspot

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



36.7490, -18.8870, -15.6470



62.8910, -7.2430, -6.4030



40.5200, 0.6910, -18.0370



32.0270, -4.6300, -4.1980



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000



# Same Dimension

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



36.7490, -18.8870, -15.6470



44.9060, -29.9350, -24.6790



39.1430, -25.6280, -9.1160



24.8750, -1.1460, -1.2580



57.4870, -39.2410, -32.2410



140.0330, -95.3060, -78.9700



# Inverse Universe

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



24.2510, 18.8870, 15.6470



25.0940, 29.9350, 24.6790



21.8570, 25.6280, 9.1160



24.0110, 1.4670, 0.9470



31.6270, 38.9200, 32.5520

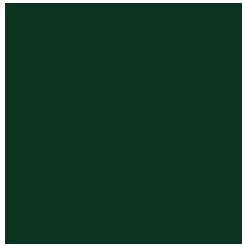


76.9670, 95.3060, 78.9700



# Previews

## White Background



This preview shows how the YIQ color 36.7490, -18.8870, -15.6470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

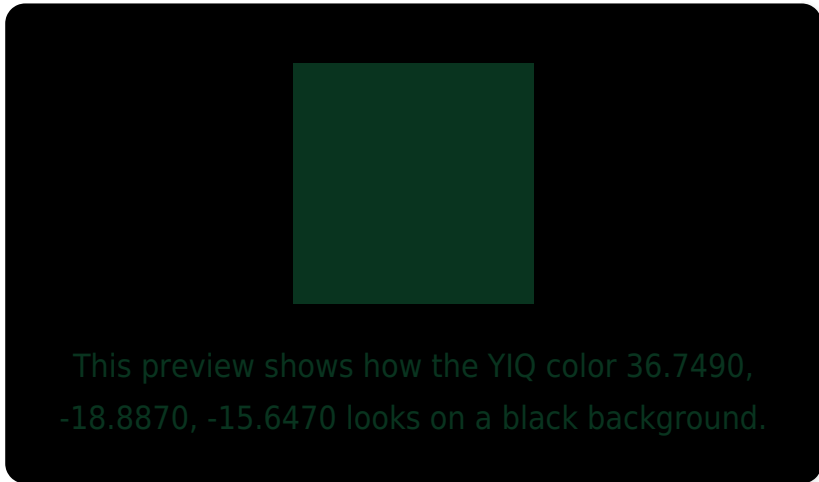
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

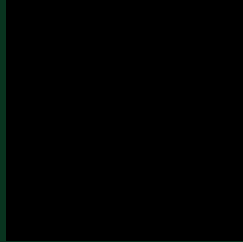
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 36.7490, -18.8870, -15.6470

## Background



This preview shows how black text looks on a background with the YIQ color 36.7490, -18.8870, -15.6470.



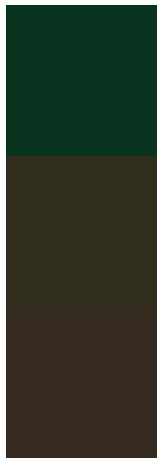
This preview shows how white text looks on a background with the YIQ color 36.7490, -18.8870,

-15.6470.

# 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

36.7490, -18.8870, -15.6470

### Protanopia

44.2580, 7.8410, -4.4390

### Deuteranopia

44.8500, 9.1700, -0.9900



## Tritanopia

41.0840, -17.9720, -4.6920

# Trichromacy



## Original Color

36.7490, -18.8870, -15.6470

## Protanomaly

41.6480, -2.2450, -8.8770

## Deuteranomaly

41.7130, -0.8700, -6.2620

## Tritanomaly

39.5630, -18.0630, -8.5510

# Monochromacy



## Original Color

36.7490, -18.8870, -15.6470

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

36.7170, -6.6930, -5.3570

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.7490, -18.8870, -15.6470 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(9, 52, 31)` looks like.

```
.text, #text, p{  
    color:rgb(9, 52, 31)  
}
```

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(9, 52, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 52, 31) }
```

## Border

The CSS property to change the border of an element to YIQ 36.7490, -18.8870, -15.6470 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(9, 52, 31) }
```



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

```
.border{ border-color:rgb(9, 52, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 52, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 52, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 52, 31); box-shadow:4px  
4px 4px 4px rgb(9, 52, 31) }
```

# Background

The CSS property to change the background color of an element to YIQ 36.7490, -18.8870, -15.6470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 52, 31) }
```

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

```
.background{ background-color: rgb(9, 52,  
31) }
```

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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