

# Converting Colors

YIQ(47.4950, -6.1880, -9.0040)

Have a look what the booklet for  
YIQ(47.4950, -6.1880, -9.0040)  
contains.

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# Color

**YIQ(47.4950, -6.1880,  
-9.0040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	243727
RGB	36, 55, 39
RGB Percent	14%, 22%, 15%
CMY	0.8589, 0.7843, 0.8471
CMYK	0.35, 0.00, 0.29, 0.78
HSL	129°, 21%, 18%
HSV	129°, 35%, 22%
XYZ	2.4598, 3.2544, 2.4177
YIQ	47.4950, -6.1880, -9.0040

# Conversions

## Conversions Part 2

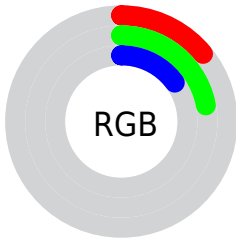
Format	Color
R <sub>Y</sub> B	36, 52, 55
Decimal	2373415
CIE Lab	21.04, -11.74, 7.64
CIE LCh	21, 14.006, 146.943
Yxy	3.2544, 0.3025, 0.4002
Android (android.graphics.Color)	4280563495 (0xFF243727)
YUV	47.4950, -4.1880, -10.0811
Hunter-Lab	18.0400, -7.2311, 4.6820

# Details

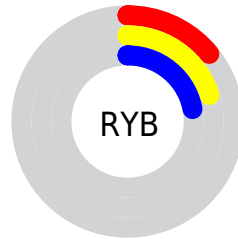
The YIQ color **47.4950, -6.1880, -9.0040** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **43.5050, 6.1880, 9.0040**, and the grayscale version is **48.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **93.6690, -6.7380, -10.0500**, and **4.1090, -1.9250, -3.6610** is the 20% darker color. If you saturate the color by 10%, you get **45.1310, -8.1590, -11.8310**, and if you desaturate by 10%, it is **49.5600, -4.8130, -6.3890**.

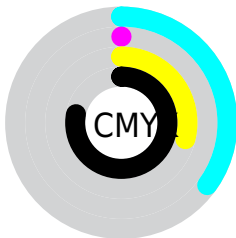
# Distribution



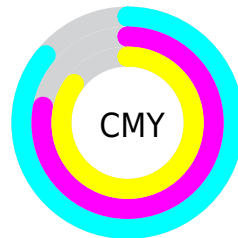
- Red (14%)
- Green (22%)
- Blue (15%)



- Red (14%)
- Yellow (20%)
- Blue (22%)



- Cyan (35%)
- Magenta (0%)
- Yellow (29%)
- Black (78%)



- Cyan (86%)
- Magenta (78%)
- Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 47.4950, -6.1880, -9.0040 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 47.4950, -6.1880, -9.0040 by changing the saturation by 10% instead.



■ 47.4950, -6.1880,  
-9.0040

■ 47.4950, -6.1880,  
-9.0040

■ 255.0000, -0.0000,  
-0.0000

■ 26.0220, -6.2340,  
-8.1700

■ 93.6690, -6.7380,  
-10.0500

■ 4.1090, -1.9250,  
-3.6610

■ 118.5550, -6.4170,  
-10.3610

■ 0.0000, 0.0000,  
0.0000

■ 144.1420, -6.6920,  
-10.8840

■ 170.8430, -7.2880,  
-11.0960

■ 197.8430, -7.2880,  
-11.0960

■ 226.3160, -7.2420,

-11.9300

■ 249.1470, -5.0880,  
-6.9120

■ 47.4950, -6.1880,  
-9.0040

■ 47.4950, -6.1880,  
-9.0040

■ 45.1310, -8.1590,  
-11.8310

■ 49.5600, -4.8130,  
-6.3890

■ 43.1800, -9.8550,  
-14.1350

■ 51.8100, -2.5210,  
-3.8730

■ 40.8160, -11.8260,  
-16.9620

■ 53.8750, -1.1460,  
-1.2580

■ 38.7510, -13.2010,  
-19.5770

■ 56.2390, 0.8250,  
1.5690

■ 36.5010, -15.4930,  
-22.0930

■ 58.1900, 2.5210,  
3.8730

■ 34.4360, -16.8680,  
-24.7080

■ 60.5540, 4.4920,  
6.7000

■ 33.3110, -18.0140,  
-25.9660

■ 62.5050, 6.1880,  
9.0040

■ 64.8690, 8.1590,  
11.8310

■ 66.9340, 9.5340,  
14.4460

# Harmonies

## Analogous

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



49.1110, 3.7610, -7.5910



47.4950, -6.1880, -9.0040



45.6340, -16.8250, -8.9610

# Triad

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



47.4950, -6.1880, -9.0040



49.0830, -16.2310, 2.3050



51.2580, 17.0090, 5.6250

# Complementary

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



47.4950, -6.1880, -9.0040



43.5050, 6.1880, 9.0040

# 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.



52.0990, 13.2030, 8.5230



47.4950, -6.1880, -9.0040



50.9920, -5.5490, 6.9550

# Square

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



47.4950, -6.1880, -9.0040



46.0170, -25.0330, -3.3770



52.3200, 5.2710, 9.1030



50.9110, 16.3680, 0.7200



# Rectangle

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



47.4950, -6.1880, -9.0040



44.3390, -23.2440, -8.2680



52.3200, 5.2710, 9.1030



51.6000, 16.0460, 6.5580

# Sweetspot

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



47.4950, -6.1880, -9.0040



68.2230, -2.2460, -3.3500



51.9370, 4.3110, -6.5450



34.0490, -1.6960, -2.3040



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.



47.4950, -6.1880, -9.0040



59.5930, -9.5800, -13.6120



48.5210, -9.0770, -6.2050



26.8750, -1.1460, -1.2580



55.7140, -30.1150, -43.4510



132.5430, -71.4600, -103.6520



# Inverse Universe

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



43.5050, 6.1880, 9.0040



53.5210, 9.2590, 13.9230



42.4790, 9.0770, 6.2050



26.2390, 0.8250, 1.5690



36.2860, 30.1150, 43.4510

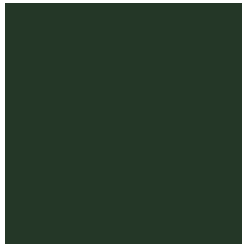


86.5710, 71.1390, 103.9630



# Previews

## White Background



This preview shows how the YIQ color 47.4950, -6.1880, -9.0040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

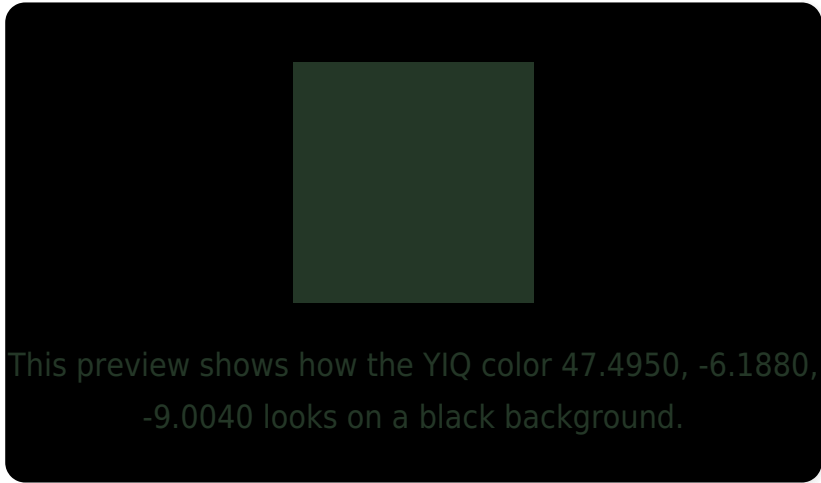
Any Text WCAG AA ✓ Pass

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

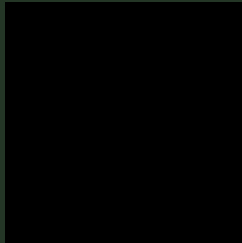
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 47.4950, -6.1880, -9.0040**

## **Background**



This preview shows how black text looks on a background with the YIQ color 47.4950, -6.1880, -9.0040.



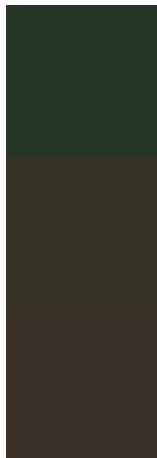
This preview shows how white text looks on a background with the YIQ color 47.4950, -6.1880, -9.0040.

-9.0040.

# 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

47.4950, -6.1880, -9.0040

### Protanopia

49.7140, 6.5570, -3.1950

### Deuteranopia

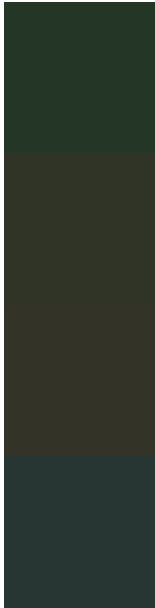
50.3770, 9.1240, -0.1560



## Tritanopia

49.5690, -9.0320, -1.5120

# Trichromacy



## Original Color

47.4950, -6.1880, -9.0040

## Protanomaly

48.9090, 1.5140, -5.4140

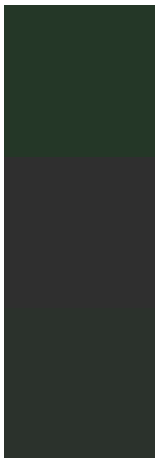
## Deuteranomaly

49.7460, 3.5310, -3.4210

## Tritanomaly

49.0590, -7.6560, -4.4240

# Monochromacy



## Original Color

47.4950, -6.1880, -9.0040

## Achromatopsia

47.0000, 0.0000, 0.0000

## Achromatomaly

47.2230, -2.2460, -3.3500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 47.4950, -6.1880, -9.0040 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(36, 55, 39)` looks like.

```
.text, #text, p{  
    color:rgb(36, 55, 39)  
}
```

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(36, 55, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 55, 39) }
```

## Border

The CSS property to change the border of an element to YIQ 47.4950, -6.1880, -9.0040 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(36, 55, 39) }
```



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

```
.border{ border-color:rgb(36, 55, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 55, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 55, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 55, 39);  
box-shadow:4px 4px 4px 4px rgb(36, 55, 39)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 47.4950, -6.1880, -9.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 55, 39) }
```

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

```
.background{ background-color: rgb(36, 55,  
39) }
```

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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