

# Converting Colors

YIQ(55.4370, -26.6360,  
-12.8760)

Have a look what the booklet for  
YIQ(55.4370, -26.6360, -12.8760)  
contains.

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# Color

**YIQ(55.4370, -26.6360,  
-12.8760)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	16473F
RGB	22, 71, 63
RGB Percent	9%, 28%, 25%
CMY	0.9138, 0.7215, 0.7530
CMYK	0.69, 0.00, 0.11, 0.72
HSL	170°, 53%, 18%
HSV	170°, 69%, 28%
XYZ	3.4812, 5.0379, 5.4878
YIQ	55.4370, -26.6360, -12.8760

# Conversions

## Conversions Part 2

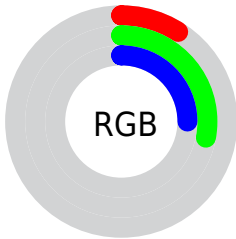
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 49, 71
Decimal	1460031
CIE <sub>Lab</sub>	26.84, -18.62, -0.01
CIE <sub>LCh</sub>	27, 18.617, 180.033
Yxy	5.0379, 0.2485, 0.3597
Android (android.graphics.Color)	4279650111 (0xFF16473F)
YUV	55.4370, 3.7286, -29.3242
Hunter-Lab	22.4453, -11.5942, 1.2154

# Details

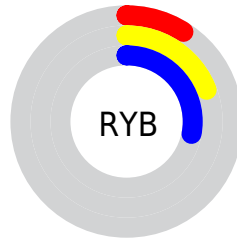
The YIQ color **55.4370, -26.6360, -12.8760** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **37.5630, 26.6360, 12.8760**, and the grayscale version is **55.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **104.6220, -25.7190, -12.9750**, and **19.4170, -14.7160, -8.6360** is the 20% darker color. If you saturate the color by 10%, you get **53.2300, -30.4870, -14.6710**, and if you desaturate by 10%, it is **57.6440, -22.7850, -11.0810**.

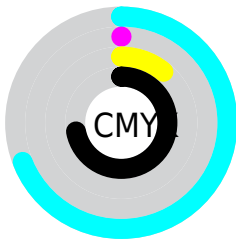
# Distribution



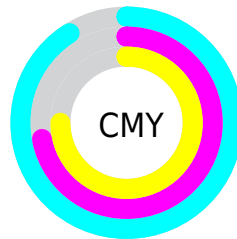
- Red (9%)
- Green (28%)
- Blue (25%)



- Red (9%)
- Yellow (19%)
- Blue (28%)



- Cyan (69%)
- Magenta (0%)
- Yellow (11%)
- Black (72%)



- Cyan (91%)
- Magenta (72%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 55.4370, -26.6360, -12.8760 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 55.4370, -26.6360, -12.8760 by changing the saturation by 10% instead.



■ 55.4370, -26.6360,  
-12.8760

■ 55.4370, -26.6360,  
-12.8760

■ 255.0000, -0.0000,  
-0.0000

■ 32.8500, -26.3610,  
-12.3530

■ 104.5080,  
-25.3980, -13.2860

■ 19.4170, -14.7160,  
-8.6360

■ 130.2090,  
-25.9940, -13.4980

■ 0.0000, 0.0000,  
0.0000

■ 156.2090,  
-25.9940, -13.4980

■ 183.4970,  
-26.8650, -14.2330

■ 211.4970,  
-26.8650, -14.2330

■ 238.9100,

-26.5900, -13.7100

248.4220,  
-13.1120, -4.6640

55.4370, -26.6360,  
-12.8760

55.4370, -26.6360,  
-12.8760

53.2300, -30.4870,  
-14.6710

57.6440, -22.7850,  
-11.0810

51.0230, -34.3380,  
-16.4660

59.8510, -18.9340,  
-9.2860

48.7020, -37.8680,  
-18.5720

62.0580, -15.0830,  
-7.4910

48.4030, -38.4640,  
-18.7840

64.3790, -11.5530,  
-5.3850

66.5860, -7.7020,  
-3.5900

■ 69.0920, -3.2550,  
-1.5830

■ 71.2990, 0.5960,  
0.2120

■ 73.5060, 4.4470,  
2.0070

■ 75.7130, 8.2980,  
3.8020

# Harmonies

## Analogous

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



58.9350, -10.5430, -12.6790



55.4370, -26.6360, -12.8760



51.9500, -41.2620, -12.1260

# Triad

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



55.4370, -26.6360, -12.8760



64.6870, -6.0080, 9.7680



63.6080, 21.5950, -0.3970

# Complementary

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



55.4370, -26.6360, -12.8760



37.5630, 26.6360, 12.8760

# 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.



64.6070, 23.3360, 6.6000



55.4370, -26.6360, -12.8760



65.3960, 8.1130, 12.6650

# Square

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



55.4370, -26.6360, -12.8760



61.5000, -21.7790, 3.7330



64.7300, 18.7960, 11.7880



62.7980, 14.9480, -6.5880



# Rectangle

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



55.4370, -26.6360, -12.8760



53.7700, -40.5750, -8.0550



64.7300, 18.7960, 11.7880



63.6730, 22.9700, 2.2180

# Sweetspot

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



55.4370, -26.6360, -12.8760



85.9770, -10.3610, -4.9610



53.1550, -8.7070, -23.9310



42.1840, -6.5100, -3.1660



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000



# Same Dimension

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



55.4370, -26.6360, -12.8760



67.7940, -41.1230, -20.1550



46.9570, -24.8040, -2.0200



34.6900, -2.0630, -1.1590



67.5750, -53.8680, -25.9640



154.9090, -123.4150, -59.6310



# Inverse Universe

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



37.5630, 26.6360, 12.8760



40.0920, 41.4440, 19.8440



46.0430, 24.8040, 2.0200



33.3100, 2.0630, 1.1590



31.4250, 53.8680, 25.9640

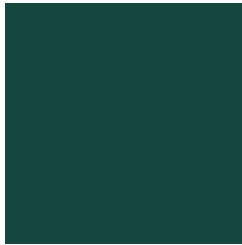


72.0910, 123.4150, 59.6310



# Previews

## White Background



This preview shows how the YIQ color 55.4370, -26.6360, -12.8760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

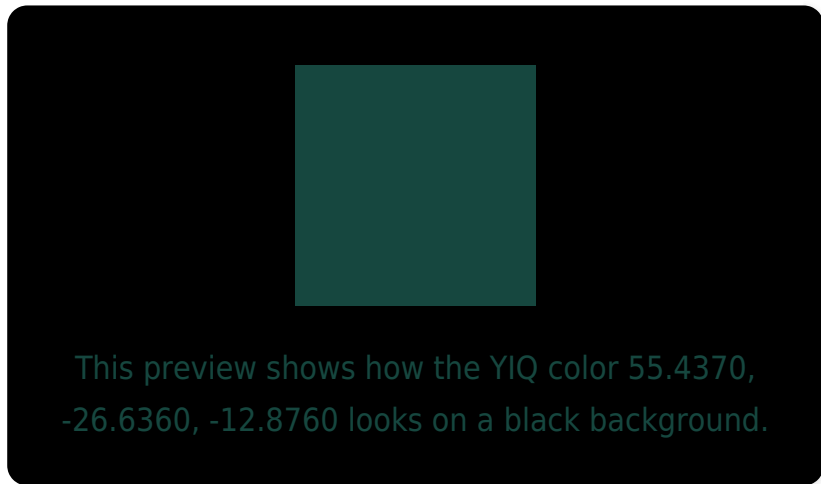
Any Text WCAG AA ✓ Pass

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

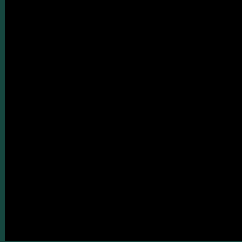
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 55.4370, -26.6360, -12.8760**

## **Background**



This preview shows how black text looks on a background with the YIQ color 55.4370, -26.6360, -12.8760.



This preview shows how white text looks on a background with the YIQ color 55.4370, -26.6360,

-12.8760.

# 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

55.4370, -26.6360, -12.8760

### Protanopia

63.4410, 3.0720, -0.6080

### Deuteranopia

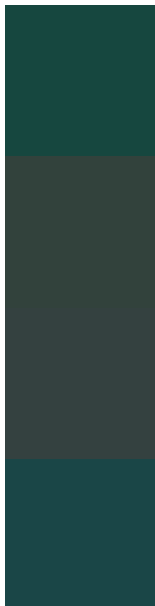
63.8480, 3.4840, 2.9400



## Tritanopia

57.4250, -26.3620, -6.8260

# Trichromacy



## Original Color

55.4370, -26.6360, -12.8760

## Protanomaly

60.5320, -7.6100, -5.2580

## Deuteranomaly

60.9990, -7.4270, -3.0670

## Tritanomaly

56.9580, -26.5450, -9.0170

# Monochromacy



## Original Color

55.4370, -26.6360, -12.8760

## Achromatopsia

55.0000, 0.0000, 0.0000

## Achromatomaly

55.2760, -9.7650, -4.7490

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 55.4370, -26.6360, -12.8760 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(22, 71, 63)` looks like.

```
.text, #text, p{  
    color:rgb(22, 71, 63)  
}
```

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(22, 71, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 71, 63) }
```

## Border

The CSS property to change the border of an element to YIQ 55.4370, -26.6360, -12.8760 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(22, 71, 63) }
```



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

```
.border{ border-color:rgb(22, 71, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 71, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 71, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 71, 63);  
box-shadow:4px 4px 4px 4px rgb(22, 71, 63)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 55.4370, -26.6360, -12.8760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 71, 63) }
```

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

```
.background{ background-color: rgb(22, 71,  
63) }
```

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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