

# Converting Colors

YIQ(57.8080, -17.3750,  
-10.0070)

Have a look what the booklet for  
YIQ(57.8080, -17.3750, -10.0070)  
contains.

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# Color

**YIQ(57.8080, -17.3750,  
-10.0070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23453C
RGB	35, 69, 60
RGB Percent	14%, 27%, 24%
CMY	0.8628, 0.7294, 0.7648
CMYK	0.49, 0.00, 0.13, 0.73
HSL	164°, 33%, 20%
HSV	164°, 49%, 27%
XYZ	3.6366, 4.9410, 5.0348
YIQ	57.8080, -17.3750, -10.0070

# Conversions

## Conversions Part 2

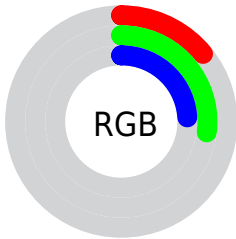
Format	Color
<b>RYB</b>	35, 55, 69
Decimal	2311484
CIELab	26.57, -14.99, 1.60
CIElCh	27, 15.077, 173.893
Yxy	4.9410, 0.2672, 0.3630
Android (android.graphics.Color)	4280501564 (0xFF23453C)
YUV	57.8080, 1.0807, -20.0026
Hunter-Lab	22.2284, -9.6970, 2.1305

# Details

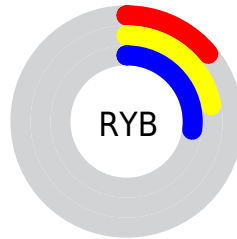
The YIQ color **57.8080, -17.3750, -10.0070** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **46.1920, 17.3750, 10.0070**, and the grayscale version is **58.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **105.3950, -17.6500, -10.5300**, and **17.9010, -13.2030, -8.5230** is the 20% darker color. If you saturate the color by 10%, you get **55.4870, -20.9050, -12.1130**, and if you desaturate by 10%, it is **60.1290, -13.8450, -7.9010**.

# Distribution



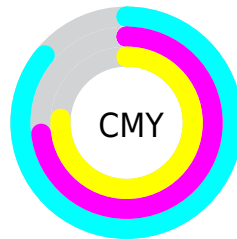
- Red (14%)
- Green (27%)
- Blue (24%)



- Red (14%)
- Yellow (22%)
- Blue (27%)



- Cyan (49%)
- Magenta (0%)
- Yellow (13%)
- Black (73%)



- Cyan (86%)
- Magenta (73%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 57.8080, -17.3750, -10.0070 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 57.8080, -17.3750, -10.0070 by changing the saturation by 10% instead.



■ 57.8080, -17.3750,  
-10.0070

■ 57.8080, -17.3750,  
-10.0070

■ 255.0000, -0.0000,  
-0.0000

■ 35.5090, -17.9710,  
-10.2190

■ 105.3950,  
-17.6500, -10.5300

■ 17.9010, -13.2030,  
-8.5230

■ 130.9820,  
-17.9250, -11.0530

■ 0.0000, 0.0000,  
0.0000

■ 157.3840,  
-19.1170, -11.4770

■ 184.2700,  
-18.7960, -11.7880

■ 211.9710,  
-19.3920, -12.0000

■ 240.5580,

-19.6670, -12.5230

251.4120, -7.1520,  
-2.5440

57.8080, -17.3750,  
-10.0070

57.8080, -17.3750,  
-10.0070

55.4870, -20.9050,  
-12.1130

60.1290, -13.8450,  
-7.9010

53.1660, -24.4350,  
-14.2190

62.4500, -10.3150,  
-5.7950

50.8450, -27.9650,  
-16.3250

64.6570, -6.4640,  
-4.0000

48.6380, -31.8160,  
-18.1200

66.9780, -2.9340,  
-1.8940

46.3170, -35.3460,  
-20.2260

69.0000, -0.0000,  
-0.0000

■ 71.3210, 3.5300,  
2.1060

■ 73.6420, 7.0600,  
4.2120

■ 75.9630, 10.5900,  
6.3180

■ 78.1700, 14.4410,  
8.1130

# Harmonies

## Analogous

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



59.8540, -5.8210, -10.1490



57.8080, -17.3750, -10.0070



56.4850, -26.5910, -8.1830

# Triad

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



57.8080, -17.3750, -10.0070



63.6220, -7.3830, 7.1530



63.1070, 18.7520, 1.5680

# Complementary

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



57.8080, -17.3750, -10.0070



46.1920, 17.3750, 10.0070

# 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.



64.1550, 18.7970, 6.2610



57.8080, -17.3750, -10.0070



64.5480, 4.6290, 9.7250

# Square

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



57.8080, -17.3750, -10.0070



61.0010, -18.9360, 1.7680



64.3380, 14.0280, 10.0920



62.1940, 13.8930, -3.9870



# Rectangle

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



57.8080, -17.3750, -10.0070



56.8810, -27.6460, -5.5820



64.3380, 14.0280, 10.0920



63.3460, 19.5770, 3.1370

# Sweetspot

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



57.8080, -17.3750, -10.0070



84.7710, -6.7850, -3.6890



57.6490, -3.9860, -15.8740



43.3800, -4.1260, -2.3180



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.



57.8080, -17.3750, -10.0070



71.8560, -26.4980, -15.3780



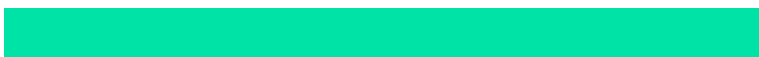
54.1380, -18.0640, -3.0240



34.6900, -2.0630, -1.1590



66.4350, -50.6580, -29.0740



152.2870, -116.0320, -66.7840



# Inverse Universe

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



46.1920, 17.3750, 10.0070



54.1440, 26.4980, 15.3780



49.8620, 18.0640, 3.0240



33.3100, 2.0630, 1.1590



32.5650, 50.6580, 29.0740

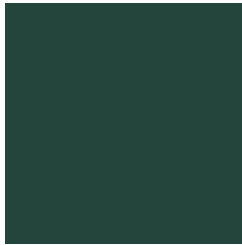


74.7130, 116.0320, 66.7840



# Previews

## White Background



This preview shows how the YIQ color 57.8080, -17.3750, -10.0070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

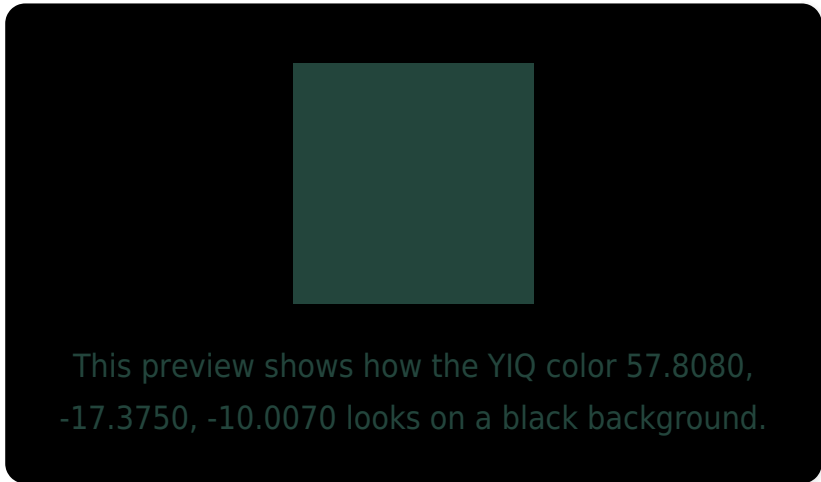
Any Text WCAG AA ✓ Pass

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

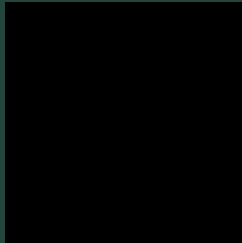
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 57.8080, -17.3750, -10.0070**

## **Background**



This preview shows how black text looks on a background with the YIQ color 57.8080, -17.3750, -10.0070.



This preview shows how white text looks on a background with the YIQ color 57.8080, -17.3750,

-10.0070.

# 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

57.8080, -17.3750, -10.0070

### Protanopia

62.2130, 3.7140, -1.2300

### Deuteranopia

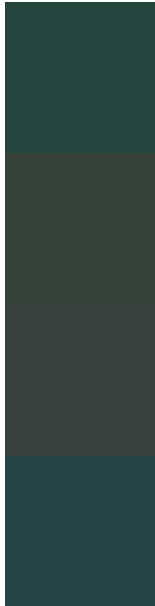
63.5060, 4.4470, 2.0070



## Tritanopia

59.3120, -18.6140, -4.0700

# Trichromacy



## Original Color

57.8080, -17.3750, -10.0070

## Protanomaly

60.7990, -3.9880, -4.8200

## Deuteranomaly

61.5650, -3.2090, -2.4170

## Tritanomaly

59.0300, -17.8800, -6.3600

# Monochromacy



## Original Color

57.8080, -17.3750, -10.0070

## Achromatopsia

58.0000, -0.0000, 0.0000

## Achromatomaly

58.0700, -6.1890, -3.4770

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 57.8080, -17.3750, -10.0070 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(35, 69, 60)` looks like.

```
.text, #text, p{  
    color:rgb(35, 69, 60)  
}
```

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(35, 69, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 69, 60) }
```

## Border

The CSS property to change the border of an element to YIQ 57.8080, -17.3750, -10.0070 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(35, 69, 60) }
```



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

```
.border{ border-color:rgb(35, 69, 60) }
```

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

Here you see how a box with a 4 pixel rgb(35, 69, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 69, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 69, 60);  
box-shadow:4px 4px 4px 4px rgb(35, 69, 60)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 57.8080, -17.3750, -10.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 69, 60) }
```

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

```
.background{ background-color: rgb(35, 69,  
60) }
```

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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