

# Converting Colors

YIQ(60.5480, -49.2380,  
-21.7660)

Have a look what the booklet for  
YIQ(60.5480, -49.2380, -21.7660)  
contains.

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# Color

**YIQ(60.5480, -49.2380,  
-21.7660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00584E
RGB	0, 88, 78
RGB Percent	0%, 35%, 31%
CMY	1.0000, 0.6548, 0.6943
CMYK	1.00, 0.00, 0.11, 0.65
HSL	173°, 100%, 17%
HSV	173°, 100%, 35%
XYZ	4.8662, 7.5349, 8.3966
YIQ	60.5480, -49.2380, -21.7660

# Conversions

## Conversions Part 2

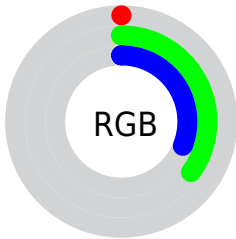
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 47, 88</a>
Decimal	<a href="#">22606</a>
CIELab	<a href="#">32.99, -25.52, -0.66</a>
CIElCh	<a href="#">33, 25.532, 181.471</a>
Yxy	<a href="#">7.5349, 0.2340, 0.3623</a>
Android (android.graphics.Color)	<a href="#">4278212686 (0xFF00584E)</a>
YUV	<a href="#">60.5480, 8.6038, -53.1006</a>
Hunter-Lab	<a href="#">27.4498, -16.3933, 1.0785</a>

# Details

The YIQ color **60.5480, -49.2380, -21.7660** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27.4520, 49.2380, 21.7660**, and the grayscale version is **61.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **115.5170, -38.7850, -18.4730**, and **28.5300, -22.4640, -11.3920** is the 20% darker color. If you saturate the color by 10%, you get **60.5480, -49.2380, -21.7660**, and if you desaturate by 10%, it is **63.3530, -44.1950, -19.5470**.

# Distribution



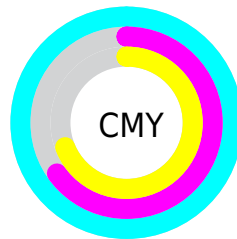
- Red (0%)
- Green (35%)
- Blue (31%)



- Red (0%)
- Yellow (18%)
- Blue (35%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (65%)



- Cyan (100%)
- Magenta (65%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 60.5480, -49.2380, -21.7660 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 60.5480, -49.2380, -21.7660 by changing the saturation by 10% instead.



60.5480, -49.2380,  
-21.7660

60.5480, -49.2380,  
-21.7660

255.0000, -0.0000,  
-0.0000

43.8380, -35.2550,  
-16.3670

116.1040,  
-39.0600, -18.9960

28.5300, -22.4640,  
-11.3920

142.1040,  
-39.0600, -18.9960

12.5210, -9.0770,  
-6.2050

169.1040,  
-39.0600, -18.9960


0.0000, 0.0000,  
0.0000


196.9900,  
-38.7390, -19.3070


225.2780,  
-39.6100, -20.0420


239.7510,


-30.3960, -10.8120


 248.4220,  
-13.1120, -4.6640


 60.5480, -49.2380,  
-21.7660

 63.3530, -44.1950,  
-19.5470

 66.1580, -39.1520,  
-17.3280

 68.6640, -34.7050,  
-15.3210

 71.4690, -29.6620,  
-13.1020

 74.2740, -24.6190,  
-10.8830

■ 77.0790, -19.5760,  
-8.6640

■ 79.8840, -14.5330,  
-6.4450

■ 82.3900, -10.0860,  
-4.4380

■ 85.1950, -5.0430,  
-2.2190

# Harmonies

## Analogous

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



69.9510, -16.6400, -17.8240



60.5480, -49.2380, -21.7660



62.8280, -55.6580, -15.5460

# Triad

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



60.5480, -49.2380, -21.7660



79.2510, -7.4760, 14.3480



77.3870, 29.5270, -0.9770

# Complementary

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



60.5480, -49.2380, -21.7660



27.4520, 49.2380, 21.7660

# 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.



77.9780, 32.5970, 9.4690



60.5480, -49.2380, -21.7660



80.3090, 12.9720, 18.2200

# Square

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



60.5480, -49.2380, -21.7660



73.8780, -31.5910, 5.3450



78.9700, 27.0480, 16.4240



75.9140, 20.3130, -10.2070



# Rectangle

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



60.5480, -49.2380, -21.7660



62.9080, -58.6390, -11.0790



78.9700, 27.0480, 16.4240



77.5770, 32.0480, 2.8960

# Sweetspot

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



60.5480, -49.2380, -21.7660



104.0790, -19.5760, -8.6640



54.6460, -18.2400, -43.9040



52.3790, -11.5530, -5.3850



186.0000, -0.0000, -0.0000



59.0000, 0.0000, -0.0000



# Same Dimension

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



60.5480, -49.2380, -21.7660



79.1330, -64.3670, -28.4230



41.7300, -43.0980, -0.8740



41.8040, -2.3840, -0.8480



73.6390, -59.9200, -26.4160



161.6570, -131.3930, -58.2170



# Inverse Universe

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



27.4520, 49.2380, 21.7660



35.8670, 64.3670, 28.4230



46.2700, 43.0980, 0.8740



40.3100, 2.0630, 1.1590



33.3610, 59.9200, 26.4160



73.3430, 131.3930, 58.2170



# Previews

## White Background



This preview shows how the YIQ color 60.5480, -49.2380, -21.7660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

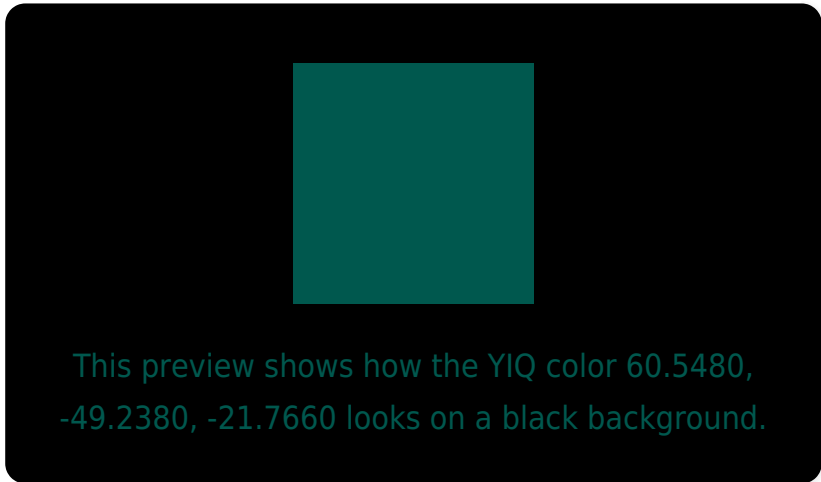
Any Text WCAG AA ✓ Pass

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

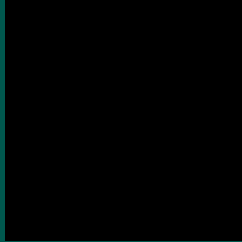
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 60.5480, -49.2380, -21.7660

## Background



This preview shows how black text looks on a background with the YIQ color 60.5480, -49.2380, -21.7660.



This preview shows how white text looks on a background with the YIQ color 60.5480, -49.2380,

-21.7660.

# 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

60.5480, -49.2380, -21.7660

### Protanopia

77.3270, 3.3930, -0.9190

### Deuteranopia

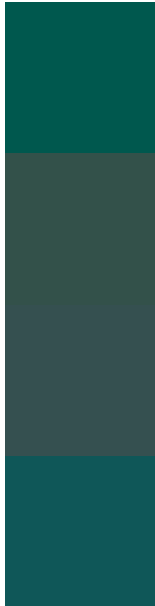
78.3750, 3.4380, 3.7740



## Tritanopia

67.9610, -39.7950, -11.1790

# Trichromacy



## Original Color

60.5480, -49.2380, -21.7660

## Protanomaly

71.2320, -15.6330, -8.5370

## Deuteranomaly

71.9270, -16.0920, -5.7240

## Tritanomaly

65.5860, -43.2330, -14.9530

# Monochromacy



## Original Color

60.5480, -49.2380, -21.7660

## Achromatopsia

61.0000, 0.0000, -0.0000

## Achromatomaly

60.9760, -17.7880, -8.0280

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 60.5480, -49.2380, -21.7660 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(0, 88, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 78)  
}
```

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(0, 88, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 78) }
```

## Border

The CSS property to change the border of an element to YIQ 60.5480, -49.2380, -21.7660 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(0, 88, 78) }
```



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

```
.border{ border-color:rgb(0, 88, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 88, 78); box-shadow:4px  
4px 4px 4px rgb(0, 88, 78) }
```

# Background

The CSS property to change the background color of an element to YIQ 60.5480, -49.2380, -21.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 78) }
```

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

```
.background{ background-color: rgb(0, 88,  
78) }
```

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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