

# Converting Colors

YIQ(149.2460, -27.4160,  
-9.7520)

Have a look what the booklet for  
YIQ(149.2460, -27.4160, -9.7520)  
contains.

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# Color

**YIQ(149.2460, -27.4160,  
-9.7520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75A3A3
RGB	117, 163, 163
RGB Percent	46%, 64%, 64%
CMY	0.5413, 0.3607, 0.3609
CMYK	0.28, 0.00, 0.00, 0.36
HSL	180°, 20%, 55%
HSV	180°, 28%, 64%
XYZ	27.0414, 32.6246, 39.5092
YIQ	149.2460, -27.4160, -9.7520

# Conversions

## Conversions Part 2

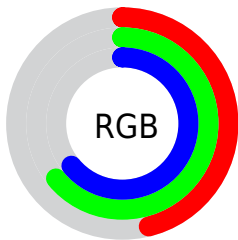
Format	Color
<a href="#">RYB</a>	<a href="#">117, 140, 163</a>
Decimal	<a href="#">7709603</a>
CIELab	<a href="#">63.86, -15.35, -4.97</a>
CIElCh	<a href="#">64, 16.138, 197.933</a>
Yxy	<a href="#">32.6246, 0.2727, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4285899683</a> ( <a href="#">0xFF75A3A3</a> )
YUV	<a href="#">149.2460, 6.7807, -28.2797</a>
Hunter-Lab	<a href="#">57.1179, -15.4490, -1.0291</a>

# Details

The YIQ color  $149.2460, -27.4160, -9.7520$  is a light color, and the websafe version is hex  $669999$ . A complement of this color would be  $130.7540, 27.4160, 9.7520$ , and the grayscale version is  $149.0000, 0.0000, -0.0000$ .

A 20% lighter version of the original color is  $203.6480, -28.6080, -10.1760$ , and  $97.5450, -26.8200, -9.5400$  is the 20% darker color. If you saturate the color by 10%, you get  $144.4620, -36.9520, -13.1440$ , and if you desaturate by 10%, it is  $154.0300, -17.8800, -6.3600$ .

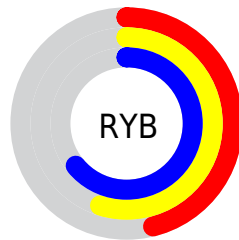
# Distribution



Red (46%)

Green (64%)

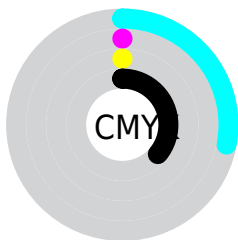
Blue (64%)



Red (46%)

Yellow (55%)

Blue (64%)

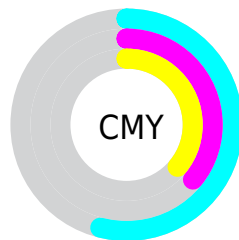


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (36%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 149.2460, -27.4160, -9.7520 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 149.2460, -27.4160, -9.7520 by changing the saturation by 10% instead.



■ 149.2460,  
-27.4160, -9.7520

■ 149.2460,  
-27.4160, -9.7520

■ 255.0000, -0.0000,  
-0.0000

■ 123.2460,  
-27.4160, -9.7520

■ 203.6480,  
-28.6080, -10.1760

■ 97.5450, -26.8200,  
-9.5400

■ 232.2350,  
-28.8830, -10.6990

■ 73.5450, -26.8200,  
-9.5400

■ 246.6280,  
-16.6880, -5.9360

■ 48.7620, -28.9290,  
-9.8650

■ 28.8550, -24.7570,  
-8.3810

■ 15.3080, -12.7910,  
-4.9750

■ 0.0000, 0.0000,

0.0000

■ 149.2460,  
-27.4160, -9.7520

■ 149.2460,  
-27.4160, -9.7520

■ 144.4620,  
-36.9520, -13.1440

■ 154.0300,  
-17.8800, -6.3600

■ 139.3790,  
-47.0840, -16.7480

■ 159.1130, -7.7480,  
-2.7560

■ 134.5950,  
-56.6200, -20.1400

■ 163.8970, 1.7880,  
0.6360

■ 129.8110,  
-66.1560, -23.5320

■ 168.6810, 11.3240,  
4.0280

■ 124.7280,  
-76.2880, -27.1360

■ 173.4650, 20.8600,  
7.4200

■ 119.9440,  
-85.8240, -30.5280

■ 178.5480, 30.9920,  
11.0240

■ 115.1600,  
-95.3600, -33.9200

■ 183.3320, 40.5280,  
14.4160

■ 114.2630,  
-97.1480, -34.5560

■ 188.1160, 50.0640,  
17.8080

■ 190.5080, 54.8320,  
19.5040

# Harmonies

## Analogous

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



150.2270, -17.2370, -12.5090



149.2460, -27.4160, -9.7520



150.0380, -29.5260, -4.5500

# Triad

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



149.2460, -27.4160, -9.7520



156.9440, 3.5740, 12.3260



155.1300, 19.9450, -3.5350

# Complementary

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



149.2460, -27.4160, -9.7520



130.7540, 27.4160, 9.7520

# 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.



155.9830, 25.0330, 3.3770



149.2460, -27.4160, -9.7520



157.2890, 15.7240, 12.3960

# Square

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



149.2460, -27.4160, -9.7520



155.4090, -11.0970, 8.3830



157.0740, 23.5190, 8.7910



152.9930, 9.9050, -8.8070



# Rectangle

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



149.2460, -27.4160, -9.7520



151.6410, -26.7300, -0.1540



157.0740, 23.5190, 8.7910



155.2660, 22.5580, -1.3300

# Sweetspot

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



149.2460, -27.4160, -9.7520



206.9170, -10.1320, -3.6040



144.3010, -12.0540, -23.8460



103.7110, -6.5560, -2.3320



235.0000, 0.0000, -0.0000



107.0000, -0.0000, 0.0000



# Same Dimension

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



149.2460, -27.4160, -9.7520



190.4720, -42.9120, -15.2640



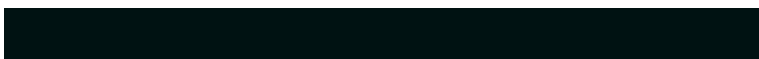
136.3320, -21.3660, 1.7540



79.3090, -5.3640, -1.9080



101.6450, -86.4200, -30.7400



12.6180, -10.7280, -3.8160



# Inverse Universe

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



130.7540, 27.4160, 9.7520



161.5280, 42.9120, 15.2640



143.6680, 21.3660, -1.7540



75.6910, 5.3640, 1.9080



43.3550, 86.4200, 30.7400



5.3820, 10.7280, 3.8160



# Previews

## White Background



This preview shows how the YIQ color 149.2460, -27.4160, -9.7520 looks on a white 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



# Black Background



This preview shows how the YIQ color 149.2460, -27.4160, -9.7520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

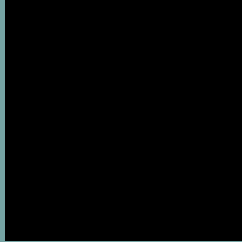
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 149.2460, -27.4160, -9.7520

## Background



This preview shows how black text looks on a background with the YIQ color 149.2460, -27.4160, -9.7520.



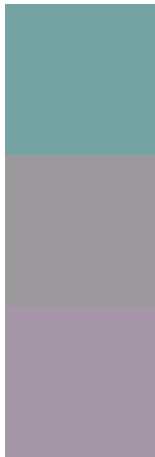
This preview shows how white text looks on a background with the YIQ color 149.2460, -27.4160, -9.7520.

-9.7520.

# 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

149.2460, -27.4160, -9.7520

### Protanopia

154.3530, 0.5040, 1.8800

### Deuteranopia

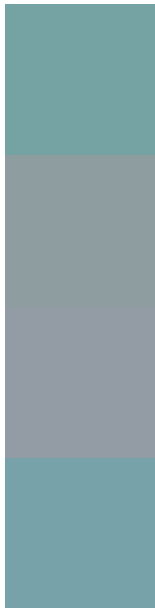
156.0100, 3.2080, 7.9440



## Tritanopia

150.2230, -28.6090, -4.6490

# Trichromacy



## Original Color

149.2460, -27.4160, -9.7520

## Protanomaly

152.7430, -9.5820, -2.5580

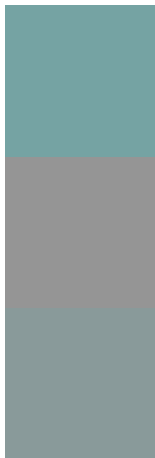
## Deuteranomaly

153.7480, -7.9780, 1.4140

## Tritanomaly

150.0550, -28.1960, -6.6280

# Monochromacy



## Original Color

149.2460, -27.4160, -9.7520

## Achromatopsia

149.0000, 0.0000, -0.0000

## Achromatomaly

148.9170, -10.1320, -3.6040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 149.2460, -27.4160, -9.7520 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(117, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(117, 163, 163)  
}
```

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(117, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 163, 163) }
```

## Border

The CSS property to change the border of an element to YIQ 149.2460, -27.4160, -9.7520 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".

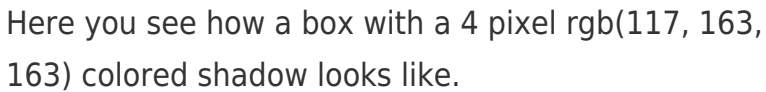
```
.border, #border, table{ border:4px solid rgb(117, 163, 163) }
```



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

```
.border{ border-color:rgb(117, 163, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 163, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 163, 163); box-shadow:4px 4px 4px 4px rgb(117, 163, 163) }
```

# Background

The CSS property to change the background color of an element to YIQ 149.2460, -27.4160, -9.7520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 163, 163) }
```

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

```
.background{ background-color: rgb(117,  
163, 163) }
```

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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