

# Converting Colors

YIQ(117.8990, -28.0570,  
-14.6570)

Have a look what the booklet for  
YIQ(117.8990, -28.0570, -14.6570)  
contains.

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# Color

**YIQ(117.8990, -28.0570,  
-14.6570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52877C
RGB	82, 135, 124
RGB Percent	32%, 53%, 49%
CMY	0.6786, 0.4705, 0.5138
CMYK	0.39, 0.00, 0.08, 0.47
HSL	168°, 24%, 43%
HSV	168°, 39%, 53%
XYZ	15.7802, 20.5810, 22.2009
YIQ	117.8990, -28.0570, -14.6570

# Conversions

## Conversions Part 2

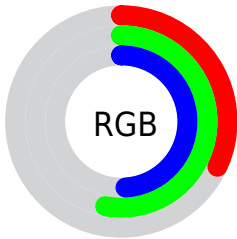
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 112, 135
Decimal	5408636
CIELab	52.49, -20.40, 0.37
CIELCh	52, 20.402, 178.969
Yxy	20.5810, 0.2695, 0.3514
Android (android.graphics.Color)	4283598716 (0xFF52877C)
YUV	117.8990, 3.0078, -31.4834
Hunter-Lab	45.3663, -17.3016, 2.7417

# Details

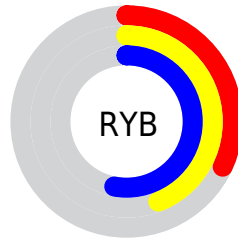
The YIQ color **117.8990, -28.0570, -14.6570** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **99.1010, 28.0570, 14.6570**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **170.4860, -28.3320, -15.1800**, and **67.7140, -28.9740, -14.5580** is the 20% darker color. If you saturate the color by 10%, you get **113.3710, -35.4380, -18.5580**, and if you desaturate by 10%, it is **122.1280, -21.2720, -10.9680**.

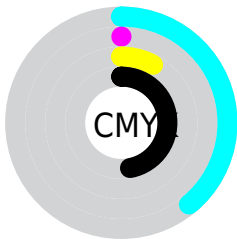
# Distribution



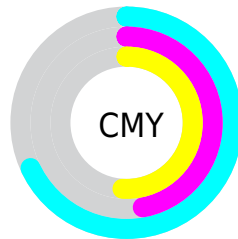
- Red (32%)
- Green (53%)
- Blue (49%)



- Red (32%)
- Yellow (44%)
- Blue (53%)



- Cyan (39%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



- Cyan (68%)
- Magenta (47%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8990, -28.0570, -14.6570 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 117.8990, -28.0570, -14.6570 by changing the saturation by 10% instead.



■ 117.8990,  
-28.0570, -14.6570

■ 117.8990,  
-28.0570, -14.6570

■ 255.0000, -0.0000,  
-0.0000

■ 92.8990, -28.0570,  
-14.6570

■ 171.0730,  
-28.6070, -15.7030

■ 67.7140, -28.9740,  
-14.5580

■ 198.1870,  
-28.9280, -15.3920

■ 42.7350, -33.4670,  
-15.7310

■ 226.4750,  
-29.7990, -16.1270

■ 26.5410, -20.9970,  
-10.4450

■ 243.6380,  
-22.6480, -8.0560

■ 10.3040, -6.9680,  
-5.8800

■ 252.0100, -5.9600,  
-2.1200

■ 0.0000, 0.0000,  
0.0000

■ 117.8990,  
-28.0570, -14.6570

■ 117.8990,  
-28.0570, -14.6570

■ 113.3710,  
-35.4380, -18.5580

■ 122.1280,  
-21.2720, -10.9680

■ 109.1420,  
-42.2230, -22.2470

■ 126.6560,  
-13.8910, -7.0670

■ 104.7280,  
-49.9250, -25.8370

■ 130.7710, -6.7850,  
-3.6890

■ 100.4990,  
-56.7100, -29.5260

■ 135.2990, 0.5960,  
0.2120

■ 95.9710, -64.0910,  
-33.4270

■ 139.5280, 7.3810,  
3.9010

■ 91.7420, -70.8760,  
-37.1160

■ 144.0560, 14.7620,  
7.8020

■ 91.4430, -71.4720,  
-37.3280

■ 148.2850, 21.5470,  
11.4910

■ 152.6990, 29.2490,

15.0810

■ 156.9280, 36.0340,  
18.7700

# Harmonies

## Analogous

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



120.1690, -11.3220, -15.0820



117.8990, -28.0570, -14.6570



117.2600, -39.1990, -10.9670

# Triad

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



117.8990, -28.0570, -14.6570



126.7840, -7.6590, 12.1570



125.9570, 27.9220, 0.5780

# Complementary

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



117.8990, -28.0570, -14.6570



99.1010, 28.0570, 14.6570

# 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.



127.1840, 29.0210, 8.1970



117.8990, -28.0570, -14.6570



127.8740, 9.7630, 15.8030

# Square

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



117.8990, -28.0570, -14.6570



123.5860, -24.8970, 5.1750



128.2360, 23.2430, 13.7950



124.6090, 19.8540, -7.3940



# Rectangle

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



117.8990, -28.0570, -14.6570



118.3080, -39.1540, -6.2740



128.2360, 23.2430, 13.7950



126.1360, 28.9760, 3.5040

# Sweetspot

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



117.8990, -28.0570, -14.6570



169.2650, -11.2320, -5.6960



116.4000, -8.0190, -25.3870



85.1840, -6.5100, -3.1660



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

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



117.8990, -28.0570, -14.6570



149.2450, -44.0110, -22.8830



110.3480, -27.4630, -3.3910



64.0920, -3.2550, -1.5830



88.0520, -68.8130, -35.9570



1.9890, -1.4670, -0.9470



# Inverse Universe

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



99.1010, 28.0570, 14.6570



119.7550, 44.0110, 22.8830



106.6520, 27.4630, 3.3910



61.9080, 3.2550, 1.5830



41.9480, 68.8130, 35.9570



1.0110, 1.4670, 0.9470



# Previews

## White Background



This preview shows how the YIQ color 117.8990, -28.0570, -14.6570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 117.8990, -28.0570, -14.6570 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

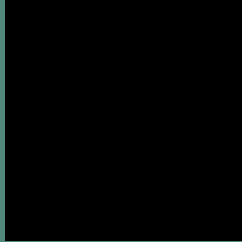
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

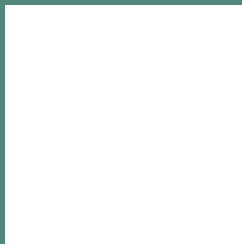
Any Text WCAG AAA × Fail

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

# YIQ 117.8990, -28.0570, -14.6570 Background



This preview shows how black text looks on a background with the YIQ color 117.8990, -28.0570, -14.6570.



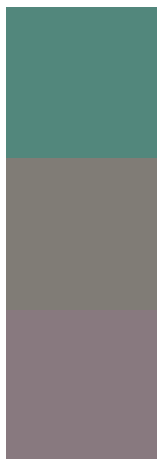
This preview shows how white text looks on a background with the YIQ color 117.8990, -28.0570, -14.6570.

-14.6570.

# 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

117.8990, -28.0570, -14.6570

### Protanopia

124.5120, 4.3100, -1.0180

### Deuteranopia

126.1690, 7.0140, 5.0460



## Tritanopia

119.7990, -30.3510, -6.1190

# Trichromacy



## Original Color

117.8990, -28.0570, -14.6570

## Protanomaly

122.0050, -7.5640, -6.0920

## Deuteranomaly

123.0100, -5.9600, -2.1200

## Tritanomaly

118.9900, -29.5710, -9.2430

# Monochromacy



## Original Color

117.8990, -28.0570, -14.6570

## Achromatopsia

118.0000, 0.0000, -0.0000

## Achromatomaly

117.8630, -10.0400, -5.2720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 117.8990, -28.0570, -14.6570 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(82, 135, 124)` looks like.

```
.text, #text, p{  
    color:rgb(82, 135, 124)  
}
```

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(82, 135, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 135, 124) }
```

## Border

The CSS property to change the border of an element to YIQ 117.8990, -28.0570, -14.6570 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(82, 135, 124) }
```



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

```
.border{ border-color:rgb(82, 135, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 135, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 135, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 135, 124);  
box-shadow:4px 4px 4px 4px rgb(82, 135,  
124) }
```

# Background

The CSS property to change the background color of an element to YIQ 117.8990, -28.0570, -14.6570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 135, 124) }
```

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

```
.background{ background-color: rgb(82, 135,  
124) }
```

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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