

# Converting Colors

YIQ(147.2910, -23.2890,  
-12.9610)

Have a look what the booklet for  
YIQ(147.2910, -23.2890, -12.9610)  
contains.

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# Color

**YIQ(147.2910, -23.2890,  
-12.9610)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75A297
RGB	117, 162, 151
RGB Percent	46%, 64%, 59%
CMY	0.5413, 0.3646, 0.4079
CMYK	0.28, 0.00, 0.07, 0.36
HSL	165°, 20%, 55%
HSV	165°, 28%, 64%
XYZ	25.8400, 31.8609, 34.0569
YIQ	147.2910, -23.2890, -12.9610

# Conversions

## Conversions Part 2

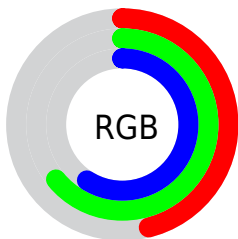
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 143, 162
Decimal	7709335
CIELab	63.23, -17.59, 0.84
CIElCh	63, 17.611, 177.274
Yxy	31.8609, 0.2816, 0.3472
Android (android.graphics.Color)	4285899415 (0xFF75A297)
YUV	147.2910, 1.8285, -26.5652
Hunter-Lab	56.4454, -17.0644, 3.7386

# Details

The YIQ color **147.2910, -23.2890, -12.9610** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **131.7090, 23.2890, 12.9610**, and the grayscale version is **147.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **201.5790, -24.1600, -13.6960**, and **96.0030, -22.4180, -12.2260** is the 20% darker color. If you saturate the color by 10%, you get **142.0510, -31.5410, -17.5970**, and if you desaturate by 10%, it is **152.5310, -15.0370, -8.3250**.

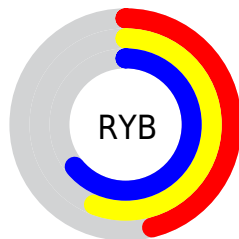
# Distribution



Red (46%)

Green (64%)

Blue (59%)



Red (46%)

Yellow (56%)

Blue (64%)

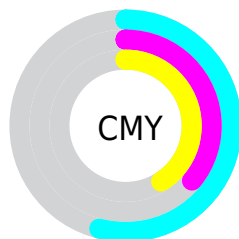


Cyan (28%)

Magenta (0%)

Yellow (7%)

Black (36%)



Cyan (54%)

Magenta (36%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 147.2910, -23.2890, -12.9610 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 147.2910, -23.2890, -12.9610 by changing the saturation by 10% instead.



■ 147.2910,  
-23.2890, -12.9610

■ 147.2910,  
-23.2890, -12.9610

■ 255.0000, -0.0000,  
-0.0000

■ 121.5900,  
-22.6930, -12.7490

■ 201.5790,  
-24.1600, -13.6960

■ 96.0030, -22.4180,  
-12.2260

■ 230.1660,  
-24.4350, -14.2190

■ 72.0030, -22.4180,  
-12.2260

■ 246.3290,  
-17.2840, -6.1480

■ 47.9320, -23.6560,  
-11.8160

■ 27.1280, -21.2720,  
-10.9680

■ 12.7660, -8.3890,  
-7.6610

■ 0.0000, 0.0000,

0.0000

■ 147.2910,  
-23.2890, -12.9610

■ 147.2910,  
-23.2890, -12.9610

■ 142.0510,  
-31.5410, -17.5970

■ 152.5310,  
-15.0370, -8.3250

■ 136.8110,  
-39.7930, -22.2330

■ 157.7710, -6.7850,  
-3.6890

■ 131.2720,  
-48.6410, -27.0810

■ 163.3100, 2.0630,  
1.1590

■ 126.0320,  
-56.8930, -31.7170

■ 168.5500, 10.3150,  
5.7950

■ 120.7920,  
-65.1450, -36.3530

■ 173.7900, 18.5670,  
10.4310

■ 115.5520,  
-73.3970, -40.9890

■ 179.0300, 26.8190,  
15.0670

■ 110.3120,  
-81.6490, -45.6250

■ 184.2700, 35.0710,  
19.7030

■ 109.0020,  
-83.7120, -46.7840

■ 189.8090, 43.9190,  
24.5510

■ 192.6570, 47.4030,  
27.4910

# Harmonies

## Analogous

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



148.8920, -8.9840, -13.4000



147.2910, -23.2890, -12.9610



147.0220, -32.5970, -9.4690

# Triad

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



147.2910, -23.2890, -12.9610



154.7300, -7.5670, 10.4890



153.7010, 25.7670, 1.0870

# Complementary

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



147.2910, -23.2890, -12.9610



131.7090, 23.2890, 12.9610

# 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.



155.4010, 26.9120, 7.8720



147.2910, -23.2890, -12.9610



155.9230, 8.0670, 13.4990

# Square

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



147.2910, -23.2890, -12.9610



151.7280, -22.4210, 4.3550



155.7410, 20.2630, 12.7350



152.4780, 18.8450, -5.6270



# Rectangle

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



147.2910, -23.2890, -12.9610



147.6570, -32.8270, -5.2990



155.7410, 20.2630, 12.7350



154.4670, 26.5460, 3.4900

# Sweetspot

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



147.2910, -23.2890, -12.9610



206.3470, -8.5270, -5.1590



146.7040, -5.8190, -21.2030



103.3690, -5.5930, -3.2650



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.



147.2910, -23.2890, -12.9610



189.1320, -36.2630, -20.1270



142.0880, -23.7950, -3.7870



79.0810, -4.7220, -2.5300



97.6550, -75.1850, -41.6250



12.0480, -9.1230, -5.3710



# Inverse Universe

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



131.7090, 23.2890, 12.9610



164.8680, 36.2630, 20.1270



136.9120, 23.7950, 3.7870



75.9190, 4.7220, 2.5300



47.4590, 74.8640, 41.9360



5.8380, 9.4440, 5.0600



# Previews

## White Background



This preview shows how the YIQ color 147.2910, -23.2890, -12.9610 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

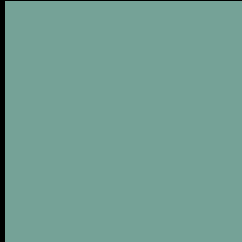
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 147.2910, -23.2890, -12.9610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

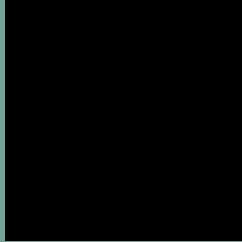
Any Text WCAG AA ✓ Pass

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 147.2910, -23.2890, -12.9610 Background



This preview shows how black text looks on a background with the YIQ color 147.2910, -23.2890, -12.9610.



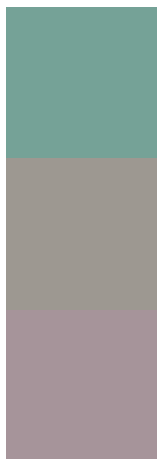
This preview shows how white text looks on a background with the YIQ color 147.2910, -23.2890, -12.9610.

-12.9610.

# 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

147.2910, -23.2890, -12.9610

### Protanopia

152.6970, 5.2270, -1.1170

### Deuteranopia

154.0660, 8.8020, 5.6820



## Tritanopia

149.1200, -26.8210, -4.0130

# Trichromacy



## Original Color

147.2910, -23.2890, -12.9610

## Protanomaly

150.7880, -5.4550, -5.7670

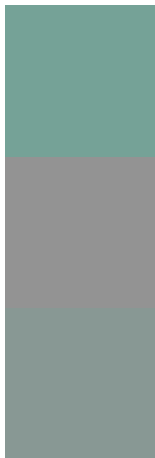
## Deuteranomaly

151.5050, -2.9800, -1.0600

## Tritanomaly

148.4960, -25.1240, -7.2360

# Monochromacy



## Original Color

147.2910, -23.2890, -12.9610

## Achromatopsia

147.0000, -0.0000, 0.0000

## Achromatomaly

146.7600, -8.2520, -4.6360

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 147.2910, -23.2890, -12.9610 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, 162, 151)` looks like.

```
.text, #text, p{  
    color:rgb(117, 162, 151)  
}
```

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, 162, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 162, 151) }
```

## Border

The CSS property to change the border of an element to YIQ 147.2910, -23.2890, -12.9610 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, 162, 151) }
```



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

```
.border{ border-color:rgb(117, 162, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 162, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 162, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 162, 151);  
box-shadow:4px 4px 4px 4px rgb(117, 162,  
151) }
```

# Background

The CSS property to change the background color of an element to YIQ 147.2910, -23.2890, -12.9610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 162, 151) }
```

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

```
.background{ background-color: rgb(117,  
162, 151) }
```

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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