

# Converting Colors

YIQ(145.7870, -12.8820,  
-8.8340)

Have a look what the booklet for  
YIQ(145.7870, -12.8820, -8.8340)  
contains.

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# Color

**YIQ(145.7870, -12.8820,  
-8.8340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	809B91
RGB	128, 155, 145
RGB Percent	50%, 61%, 57%
CMY	0.4981, 0.3921, 0.4314
CMYK	0.17, 0.00, 0.06, 0.39
HSL	158°, 12%, 55%
HSV	158°, 17%, 61%
XYZ	25.7326, 30.0783, 31.2330
YIQ	145.7870, -12.8820, -8.8340

# Conversions

## Conversions Part 2

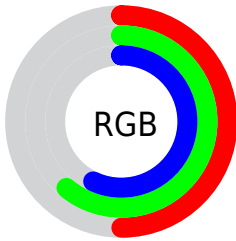
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 145, 155
Decimal	8428433
CIELab	61.72, -11.55, 2.10
CIELCh	62, 11.739, 169.685
Yxy	30.0783, 0.2956, 0.3456
Android (android.graphics.Color)	4286618513 (0xFF809B91)
YUV	145.7870, -0.3880, -15.5992
Hunter-Lab	54.8436, -12.2243, 4.6254

# Details

The YIQ color **145.7870, -12.8820, -8.8340** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **137.2130, 12.8820, 8.8340**, and the grayscale version is **146.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **199.4880, -13.4780, -9.0460**, and **95.2000, -12.6070, -8.3110** is the 20% darker color. If you saturate the color by 10%, you get **140.3190, -20.4920, -14.0920**, and if you desaturate by 10%, it is **150.9560, -5.8680, -3.7880**.

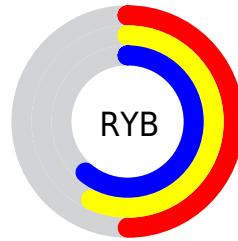
# Distribution



Red (50%)

Green (61%)

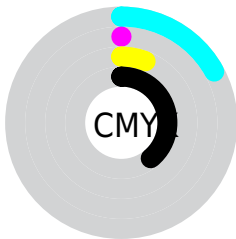
Blue (57%)



Red (50%)

Yellow (57%)

Blue (61%)

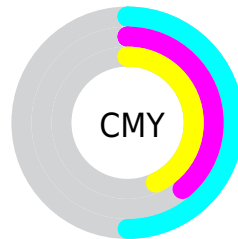


Cyan (17%)

Magenta (0%)

Yellow (6%)

Black (39%)



Cyan (50%)

Magenta (39%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 145.7870, -12.8820, -8.8340 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 145.7870, -12.8820, -8.8340 by changing the saturation by 10% instead.



■ 145.7870,  
-12.8820, -8.8340

■ 145.7870,  
-12.8820, -8.8340

■ 255.0000, -0.0000,  
-0.0000

■ 120.0860,  
-12.2860, -8.6220

■ 199.4880,  
-13.4780, -9.0460

■ 95.2000, -12.6070,  
-8.3110

■ 228.0750,  
-13.7530, -9.5690

■ 71.4990, -12.0110,  
-8.0990

■ 249.6180,  
-10.7280, -3.8160

■ 48.9120, -11.7360,  
-7.5760

■ 27.3250, -11.4610,  
-7.0530

■ 7.1580, -3.6210,  
-5.9650

■ 0.0000, 0.0000,

0.0000

■ 145.7870,  
-12.8820, -8.8340

■ 145.7870,  
-12.8820, -8.8340

■ 140.3190,  
-20.4920, -14.0920

■ 150.9560, -5.8680,  
-3.7880

■ 135.1500,  
-27.5060, -19.1380

■ 156.3100, 2.0630,  
1.1590

■ 129.7960,  
-35.4370, -24.0850

■ 161.4790, 9.0770,  
6.2050

■ 124.6270,  
-42.4510, -29.1310

■ 166.9470, 16.6870,  
11.4630

■ 119.1590,  
-50.0610, -34.3890

■ 172.1160, 23.7010,  
16.5090

■ 113.9900,  
-57.0750, -39.4350

■ 177.4700, 31.6320,  
21.4560

■ 108.6360,  
-65.0060, -44.3820

■ 182.6390, 38.6460,  
26.5020

■ 103.4670,  
-72.0200, -49.4280

■ 188.1070, 46.2560,  
31.7600

■ 102.1570,  
-74.0830, -50.5870

■ 189.6880, 46.1180,  
34.2620

# Harmonies

## Analogous

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



146.4630, -3.1620, -8.7780



145.7870, -12.8820, -8.8340



145.5460, -19.3930, -6.4730

# Triad

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



145.7870, -12.8820, -8.8340



150.0950, -7.3370, 6.3190



150.3350, 18.1100, 2.1900

# Complementary

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



145.7870, -12.8820, -8.8340



137.2130, 12.8820, 8.8340

# 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.



150.7850, 16.9630, 6.4590



145.7870, -12.8820, -8.8340



150.6510, 2.8410, 9.0890

# Square

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



145.7870, -12.8820, -8.8340



147.9690, -15.9100, 1.9940



151.0280, 11.9650, 8.9330



149.1340, 14.1220, -2.6300



# Rectangle

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



145.7870, -12.8820, -8.8340



145.6430, -21.0440, -4.0840



151.0280, 11.9650, 8.9330



150.2750, 18.3390, 3.5470

# Sweetspot

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



145.7870, -12.8820, -8.8340



197.6680, -4.9970, -3.0530



146.8390, -1.4650, -12.0010



99.9780, -2.9340, -1.8940



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



145.7870, -12.8820, -8.8340



186.7320, -20.2170, -13.5690



145.1660, -15.2670, -4.1550



74.2660, -3.8050, -2.6290



92.2120, -66.7480, -45.8520



8.5430, -6.1430, -4.3110



# Inverse Universe

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



137.2130, 12.8820, 8.8340



173.3820, 19.8960, 13.8800



137.8340, 15.2670, 4.1550



71.7340, 3.8050, 2.6290



47.7880, 66.7480, 45.8520



4.4570, 6.1430, 4.3110



# Previews

## White Background



This preview shows how the YIQ color 145.7870, -12.8820, -8.8340 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 145.7870, -12.8820, -8.8340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

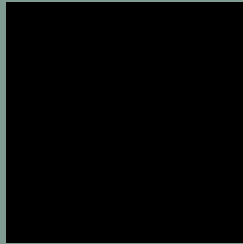
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 145.7870, -12.8820, -8.8340

## Background



This preview shows how black text looks on a background with the YIQ color 145.7870, -12.8820, -8.8340.



This preview shows how white text looks on a background with the YIQ color 145.7870, -12.8820, -8.8340.

-8.8340.

# 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

145.7870, -12.8820, -8.8340

### Protanopia

148.6970, 5.2270, -1.1170

### Deuteranopia

150.3220, 10.9570, 5.1730



## Tritanopia

147.3880, -15.7720, -0.5080

# Trichromacy



## Original Color

145.7870, -12.8820, -8.8340

## Protanomaly

147.8810, -1.2830, -4.2830

## Deuteranomaly

148.6690, 2.4300, 0.0140

## Tritanomaly

146.8780, -14.3960, -3.4200

# Monochromacy



## Original Color

145.7870, -12.8820, -8.8340

## Achromatopsia

146.0000, -0.0000, -0.0000

## Achromatomaly

145.6680, -4.9970, -3.0530

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 145.7870, -12.8820, -8.8340 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(128, 155, 145)` looks like.

```
.text, #text, p{  
    color:rgb(128, 155, 145)  
}
```

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(128, 155, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 155, 145) }
```

## Border

The CSS property to change the border of an element to YIQ 145.7870, -12.8820, -8.8340 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(128, 155, 145) }
```



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

```
.border{ border-color:rgb(128, 155, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 155, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 155, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 155, 145);  
box-shadow:4px 4px 4px 4px rgb(128, 155,  
145) }
```

# Background

The CSS property to change the background color of an element to YIQ 145.7870, -12.8820, -8.8340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 155, 145) }
```

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

```
.background{ background-color: rgb(128,  
155, 145) }
```

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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