

# Converting Colors

YIQ(133.7910, -97.7940,  
-11.8260)

Have a look what the booklet for  
YIQ(133.7910, -97.7940, -11.8260)  
contains.

<b>YIQ(133.7910, -97.7940, -11.8260)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(133.7910, -97.7940,  
-11.8260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21A8DE
RGB	33, 168, 222
RGB Percent	13%, 66%, 87%
CMY	0.8708, 0.3409, 0.1298
CMYK	0.85, 0.24, 0.00, 0.13
HSL	197°, 74%, 50%
HSV	197°, 85%, 87%
XYZ	27.8081, 33.6165, 74.0532
YIQ	133.7910, -97.7940, -11.8260

# Conversions

## Conversions Part 2

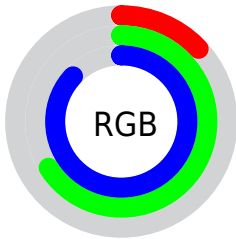
Format	Color
R <sub>Y</sub> B	33, 112, 222
Decimal	2205918
CIE Lab	64.66, -15.73, -36.82
CIE LCh	65, 40.038, 246.869
Yxy	33.6165, 0.2053, 0.2481
Android (android.graphics.Color)	4280395998 (0xFF21A8DE)
YUV	133.7910, 43.4870, -88.3937
Hunter-Lab	57.9797, -15.8526, -35.1410

# Details

The YIQ color **133.7910, -97.7940, -11.8260** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **121.2090, 97.7940, 11.8260**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **193.7580, -75.8320, -13.3680**, and **87.1300, -85.5070, -8.7310** is the 20% darker color. If you saturate the color by 10%, you get **123.6910, -109.2560, -13.3520**, and if you desaturate by 10%, it is **143.8910, -86.3320, -10.3000**.

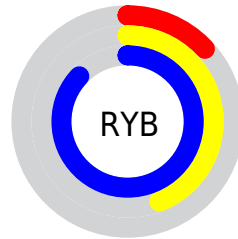
# Distribution



Red (13%)

Green (66%)

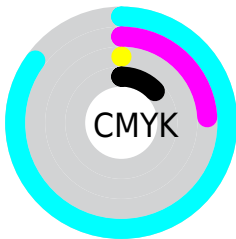
Blue (87%)



Red (13%)

Yellow (44%)

Blue (87%)

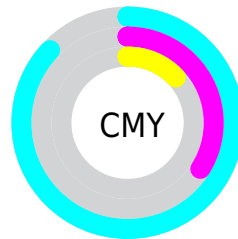


Cyan (85%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (87%)

Magenta (34%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.7910, -97.7940, -11.8260 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 133.7910, -97.7940, -11.8260 by changing the saturation by 10% instead.



■ 133.7910,  
-97.7940, -11.8260

■ 133.7910,  
-97.7940, -11.8260

■ 255.0000, -0.0000,  
-0.0000

■ 105.4700,  
-101.3240, -13.9320

■ 193.7580,  
-75.8320, -13.3680

■ 87.0160, -85.1860,  
-9.0420

■ 220.3490,  
-64.7350, -21.7510

■ 69.3770, -69.9650,  
-4.0530

■ 231.3790,  
-47.0840, -16.7480

■ 52.9120, -55.2940,  
-0.1100

■ 240.6480,  
-28.6080, -10.1760

■ 37.1480, -41.2190,  
3.6210

■ 249.9170,  
-10.1320, -3.6040

■ 23.3730, -28.6110,  
6.4050

■ 6.6630, -14.6280,

11.8040

■ 2.9810, -7.0160,  
6.0080

■ 0.0000, 0.0000,  
0.0000

■ 133.7910,  
-97.7940, -11.8260

■ 133.7910,  
-97.7940, -11.8260

■ 123.6910,  
-109.2560, -13.3520

■ 143.8910,  
-86.3320, -10.3000

■ 118.6410,  
-114.9870, -14.1150

■ 154.5780,  
-75.1450, -9.2970

■ 164.9770,  
-63.0870, -7.5590

■ 175.0770,  
-51.6250, -6.0330

■ 185.7640,  
-40.4380, -5.0300

■ 195.8640,  
-28.9760, -3.5040

■ 205.9640,  
-17.5140, -1.9780

■ 216.6510, -6.3270,  
-0.9750

■ 227.0500, 5.7310,  
0.7630

# Harmonies

## Analogous

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



124.8240, -111.7290, -29.1130



133.7910, -97.7940, -11.8260



153.4220, -47.5020, 12.8660

# Triad

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



133.7910, -97.7940, -11.8260



159.5110, 50.7500, 27.4060



148.9680, 1.8850, -28.6670

# Complementary

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



133.7910, -97.7940, -11.8260



121.2090, 97.7940, 11.8260

# 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.



153.1630, 32.3730, -19.5230



133.7910, -97.7940, -11.8260



157.6730, 58.5010, 13.5810

# Square

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



133.7910, -97.7940, -11.8260



161.4670, 27.6870, 32.3830



155.8870, 51.3060, -4.7100



142.1560, -36.8110, -32.2270



# Rectangle

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



133.7910, -97.7940, -11.8260



159.0020, -19.5360, 23.6640



155.8870, 51.3060, -4.7100



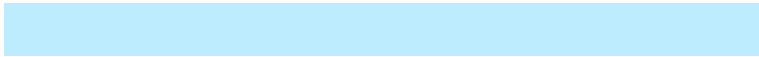
150.5950, 13.3010, -26.3070

# Sweetspot

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



133.7910, -97.7940, -11.8260



224.1130, -34.1110, -4.0550



149.9850, -68.9880, -82.3640



108.9960, -20.5400, -2.2040



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

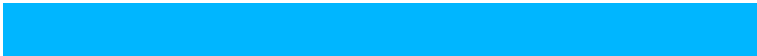


# Same Dimension

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



133.7910, -97.7940, -11.8260



135.9040, -131.9050, -15.8810



78.6130, -71.9440, 37.3360



106.9500, -5.7310, -0.7630



94.0260, -91.1460, -11.1620



26.0170, -25.0330, -3.3770



# Inverse Universe

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



104.9010, 69.3090, 82.0530



96.9930, 93.5580, 110.6620



176.3870, 71.9440, -37.3360



105.2010, 3.9880, 4.8200



66.9880, 64.4500, 76.4980



18.3420, 17.3730, 21.0610



# Previews

## White Background



This preview shows how the YIQ color 133.7910, -97.7940, -11.8260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

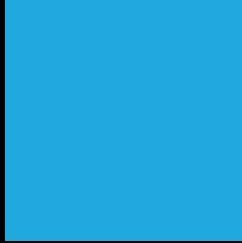
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 133.7910, -97.7940, -11.8260 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

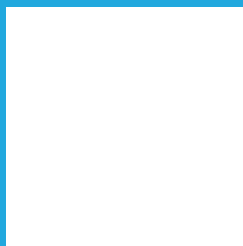
Any Text WCAG AAA ✓ Pass

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

# YIQ 133.7910, -97.7940, -11.8260 Background



This preview shows how black text looks on a background with the YIQ color 133.7910, -97.7940, -11.8260.



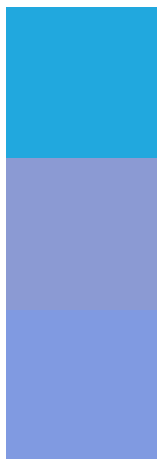
This preview shows how white text looks on a background with the YIQ color 133.7910, -97.7940, -11.8260.

-11.8260.

# 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

133.7910, -97.7940, -11.8260

### Protanopia

156.0130, -27.2370, 14.5470

### Deuteranopia

154.3200, -38.2870, 16.5690



## Tritanopia

122.8690, -107.6020, -32.3220

# Trichromacy



## Original Color

133.7910, -97.7940, -11.8260

## Protanomaly

147.7430, -53.1400, 4.9080

## Deuteranomaly

146.6760, -60.2010, 6.2230

## Tritanomaly

126.7650, -104.0730, -24.6890

# Monochromacy



## Original Color

133.7910, -97.7940, -11.8260

## Achromatopsia

134.0000, -0.0000, -0.0000

## Achromatomaly

133.6290, -35.6240, -4.1680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.7910, -97.7940, -11.8260 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(33, 168, 222)` looks like.

```
.text, #text, p{  
    color:rgb(33, 168, 222)  
}
```

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(33, 168, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 168, 222) }
```

## Border

The CSS property to change the border of an element to YIQ 133.7910, -97.7940, -11.8260 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(33, 168, 222) }
```



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

```
.border{ border-color:rgb(33, 168, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 168, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 168, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 168, 222);  
box-shadow:4px 4px 4px 4px rgb(33, 168,  
222) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.7910, -97.7940, -11.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 168, 222) }
```

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

```
.background{ background-color: rgb(33, 168,  
222) }
```

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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