

# Converting Colors

YIQ(133.2110, -19.1670,  
11.4650)

Have a look what the booklet for  
YIQ(133.2110, -19.1670, 11.4650)  
contains.

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# Color

**YIQ(133.2110, -19.1670,  
11.4650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7A83AE
RGB	122, 131, 174
RGB Percent	48%, 51%, 68%
CMY	0.5216, 0.4862, 0.3178
CMYK	0.30, 0.25, 0.00, 0.32
HSL	230°, 24%, 58%
HSV	230°, 30%, 68%
XYZ	23.7803, 23.4262, 43.2985
YIQ	133.2110, -19.1670, 11.4650

# Conversions

## Conversions Part 2

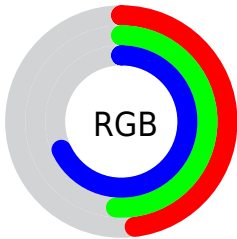
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 130, 174
Decimal	8029102
CIE <sub>Lab</sub>	55.51, 6.84, -23.78
CIE <sub>LCh</sub>	56, 24.745, 286.035
Yxy	23.4262, 0.2628, 0.2588
Android (android.graphics.Color)	4286219182 (0xFF7A83AE)
YUV	133.2110, 20.1090, -9.8320
Hunter-Lab	48.4006, 2.9999, -19.1595

# Details

The YIQ color **133.2110, -19.1670, 11.4650** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **162.7890, 19.1670, -11.4650**, and the grayscale version is **133.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **186.5530, -20.1300, 12.3980**, and **83.1570, -19.0750, 9.7970** is the 20% darker color. If you saturate the color by 10%, you get **119.9100, -25.4490, 15.1830**, and if you desaturate by 10%, it is **146.5120, -12.8850, 7.7470**.

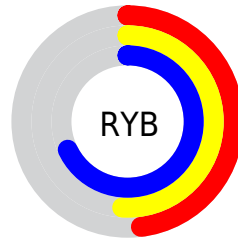
# Distribution



Red (48%)

Green (51%)

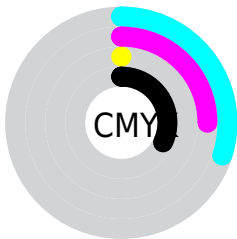
Blue (68%)



Red (48%)

Yellow (51%)

Blue (68%)

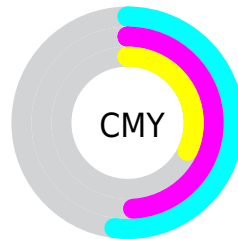


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (32%)



Cyan (52%)

Magenta (49%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 133.2110, -19.1670, 11.4650 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 133.2110, -19.1670, 11.4650 by changing the saturation by 10% instead.



■ 133.2110,  
-19.1670, 11.4650

■ 133.2110,  
-19.1670, 11.4650

■ 255.0000, -0.0000,  
-0.0000

■ 107.6840,  
-19.1210, 10.6310

■ 186.5530,  
-20.1300, 12.3980

■ 83.4560, -18.4790,  
10.0090

■ 213.6240,  
-18.8920, 11.9880

■ 59.6300, -19.0290,  
8.9630

■ 239.3180, -9.5830,  
2.9690

■ 36.8040, -19.5790,  
7.9170

■ 15.6790, -20.7250,  
6.6590

■ 4.3660, -9.5380,  
7.6620

■ 0.0000, 0.0000,

0.0000

■ 133.2110,  
-19.1670, 11.4650

■ 133.2110,  
-19.1670, 11.4650

■ 119.9100,  
-25.4490, 15.1830

■ 146.5120,  
-12.8850, 7.7470

■ 105.7230,  
-32.0520, 19.2120

■ 160.6990, -6.2820,  
3.7180

■ 92.4220, -38.3340,  
22.9300

■ 174.0000, -0.0000,  
-0.0000

■ 78.2350, -44.9370,  
26.9590

■ 188.1870, 6.6030,  
-4.0290

■ 64.9340, -51.2190,  
30.6770

■ 201.4880, 12.8850,  
-7.7470

■ 51.6330, -57.5010,  
34.3950

■ 214.7890, 19.1670,  
-11.4650

■ 37.4460, -64.1040,  
38.4240

■ 228.9760, 25.7700,  
-15.4940

■ 240.4830, 28.4760,  
-20.4840

■ 245.7660, 26.0010,  
-25.1910

# Harmonies

## Analogous

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



127.7520, -40.1640, 1.0200



133.2110, -19.1670, 11.4650



135.6330, 3.2520, 18.1640

# Triad

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



133.2110, -19.1670, 11.4650



133.8980, 35.5780, 5.0020



124.4490, -26.9100, -18.9260

# Complementary

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



133.2110, -19.1670, 11.4650



162.7890, 19.1670, -11.4650

# 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.



127.9970, -5.0860, -17.9660



133.2110, -19.1670, 11.4650



132.5670, 28.8400, -5.0480

# Square

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



133.2110, -19.1670, 11.4650



135.2110, 33.5590, 14.0630



130.2830, 14.7200, -13.4720



121.8630, -45.5710, -16.6350



# Rectangle

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



133.2110, -19.1670, 11.4650



136.1030, 16.5480, 19.4920



130.2830, 14.7200, -13.4720



125.4560, -19.6200, -18.8840

# Sweetspot

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



133.2110, -19.1670, 11.4650



211.0410, -7.2450, 4.6510



157.3120, -27.7820, -14.1340



104.6560, -4.7230, 2.9970



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



133.2110, -19.1670, 11.4650



162.5660, -30.1720, 18.1800



132.7120, -7.1560, 19.5640



80.2000, -3.4390, 1.7530



32.3620, -55.3000, 33.0520



4.9700, -8.4830, 5.0610



# Inverse Universe

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



138.5740, 28.1030, 13.8230



171.1140, 44.3780, 21.7380



163.2880, 7.1560, -19.5640



80.9190, 4.7220, 2.5300



47.8140, 81.0540, 39.8860



7.3330, 12.4240, 6.1200



# Previews

## White Background



This preview shows how the YIQ color 133.2110, -19.1670, 11.4650 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 133.2110, -19.1670, 11.4650 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 133.2110, -19.1670, 11.4650

## Background



This preview shows how black text looks on a background with the YIQ color 133.2110, -19.1670, 11.4650.



This preview shows how white text looks on a background with the YIQ color 133.2110, -19.1670,



# 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

133.2110, -19.1670, 11.4650

### Protanopia

132.9120, -19.7630, 11.2530

### Deuteranopia

133.5100, -18.5710, 11.6770



## Tritanopia

131.2740, -15.4510, -0.8190

# Trichromacy



## Original Color

133.2110, -19.1670, 11.4650

## Protanomaly

132.9120, -19.7630, 11.2530

## Deuteranomaly

133.5100, -18.5710, 11.6770

## Tritanomaly

131.8380, -16.9190, 3.7610

# Monochromacy



## Original Color

133.2110, -19.1670, 11.4650

## Achromatopsia

133.0000, 0.0000, 0.0000

## Achromatomaly

132.9270, -6.9240, 4.3400

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 133.2110, -19.1670, 11.4650 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(122, 131, 174)` looks like.

```
.text, #text, p{  
    color:rgb(122, 131, 174)  
}
```

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(122, 131, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 131, 174) }
```

## Border

The CSS property to change the border of an element to YIQ 133.2110, -19.1670, 11.4650 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(122, 131, 174) }
```



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

```
.border{ border-color:rgb(122, 131, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 131, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 131, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 131, 174);  
box-shadow:4px 4px 4px 4px rgb(122, 131,  
174) }
```

# Background

The CSS property to change the background color of an element to YIQ 133.2110, -19.1670, 11.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 131, 174) }
```

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

```
.background{ background-color: rgb(122,  
131, 174) }
```

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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