

# Converting Colors

YIQ(181.2630, -34.1130, 6.9990)

Have a look what the booklet for  
YIQ(181.2630, -34.1130, 6.9990)  
contains.

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# Color

**YIQ(181.2630, -34.1130,  
6.9990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99BAE7
RGB	153, 186, 231
RGB Percent	60%, 73%, 91%
CMY	0.4000, 0.2705, 0.0943
CMYK	0.34, 0.19, 0.00, 0.09
HSL	215°, 62%, 75%
HSV	215°, 34%, 91%
XYZ	45.1140, 47.6618, 82.3911
YIQ	181.2630, -34.1130, 6.9990

# Conversions

## Conversions Part 2

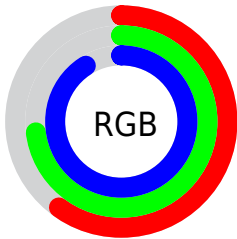
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 176, 231
Decimal	10074855
CIE Lab	74.61, -0.54, -26.02
CIE LCh	75, 26.031, 268.814
Yxy	47.6618, 0.2575, 0.2721
Android (android.graphics.Color)	4288264935 (0xFF99BAE7)
YUV	181.2630, 24.5203, -24.7867
Hunter-Lab	69.0375, -4.1713, -22.4318

# Details

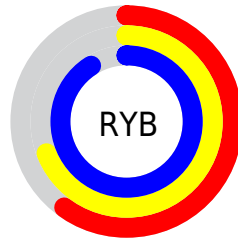
The YIQ color  $181.2630, -34.1130, 6.9990$  is a light color, and the websafe version is hex  $99CCFF$ . A complement of this color would be  $202.7370, 34.1130, -6.9990$ , and the grayscale version is  $181.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $233.6150, -23.8410, -2.9530$ , and  $127.6220, -33.7460, 5.8540$  is the 20% darker color. If you saturate the color by 10%, you get  $166.7550, -44.2460, 8.9220$ , and if you desaturate by 10%, it is  $195.7710, -23.9800, 5.0760$ .

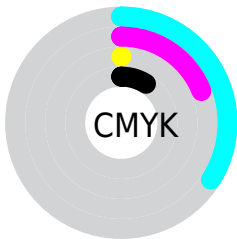
# Distribution



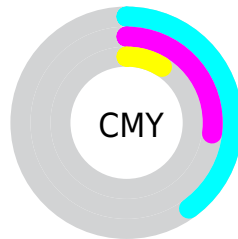
- Red (60%)
- Green (73%)
- Blue (91%)



- Red (60%)
- Yellow (69%)
- Blue (91%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (27%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 181.2630, -34.1130, 6.9990 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 181.2630, -34.1130, 6.9990 by changing the saturation by 10% instead.



■ 181.2630,  
-34.1130, 6.9990

■ 181.2630,  
-34.1130, 6.9990

■ 255.0000, -0.0000,  
-0.0000

■ 154.1490,  
-33.7920, 6.6880

■ 233.6150,  
-23.8410, -2.9530

■ 127.6220,  
-33.7460, 5.8540

■ 249.9170,  
-10.1320, -3.6040

■ 102.0950,  
-33.7000, 5.0200

■ 77.0840, -35.1670,  
4.0730

■ 51.4640, -39.2930,  
1.7550

■ 31.3290, -34.4790,  
2.6170

■ 16.9670, -21.5960,

5.9240

■ 4.4800, -9.8590,  
7.9730

■ 0.0000, 0.0000,  
0.0000

■ 181.2630,  
-34.1130, 6.9990

■ 181.2630,  
-34.1130, 6.9990

■ 166.7550,  
-44.2460, 8.9220

■ 195.7710,  
-23.9800, 5.0760

■ 151.6600,  
-54.1040, 11.3680

■ 210.8660,  
-14.1220, 2.6300

■ 137.1520,  
-64.2370, 13.2910

■ 225.3740, -3.9890,  
0.7070

■ 122.6440,  
-74.3700, 15.2140

■ 239.8820, 6.1440,  
-1.2160

■ 107.5490,  
-84.2280, 17.6600

■ 251.0900, 8.2540,  
-6.4180

■ 92.7420, -94.9570,  
19.3710

■ 252.2640, 7.7040,  
-7.4640

■ 83.8600,  
-101.1010, 20.5870

# Harmonies

## Analogous

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



175.9030, -51.0750, -4.9870



181.2630, -34.1130, 6.9990



185.7500, -10.3190, 16.3130

# Triad

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



181.2630, -34.1130, 6.9990



186.4520, 40.0700, 11.7020



176.4410, -15.2640, -20.7360

# Complementary

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



181.2630, -34.1130, 6.9990



202.7370, 34.1130, -6.9990

# 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.



179.9400, 8.2560, -17.4720



181.2630, -34.1130, 6.9990



184.8180, 38.5590, 0.5350

# Square

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



181.2630, -34.1130, 6.9990



187.0030, 31.4490, 19.2650



182.7360, 26.6860, -10.0660



173.7620, -38.0970, -19.9290



# Rectangle

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



181.2630, -34.1130, 6.9990



187.0680, 6.4610, 20.5810



182.7360, 26.6860, -10.0660



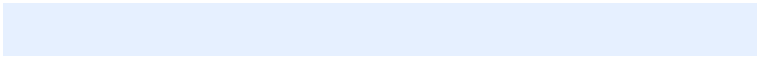
177.7470, -7.3780, -20.4820

# Sweetspot

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



181.2630, -34.1130, 6.9990



238.7200, -10.7750, 2.5450



203.8020, -35.5740, -27.1100



117.9330, -7.0610, 1.3150



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.



181.2630, -34.1130, 6.9990



188.3850, -46.0800, 9.1200



163.3870, -22.0580, 25.3180



107.3030, -5.2270, 1.1170



65.0180, -78.3590, 15.9210



18.7280, -22.4210, 4.3550



# Inverse Universe

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



180.0840, 35.8950, 26.7990



186.5250, 48.1350, 36.2550



220.6130, 22.0580, -25.3180



107.1580, 5.5470, 4.0990



62.1850, 82.2880, 61.5840

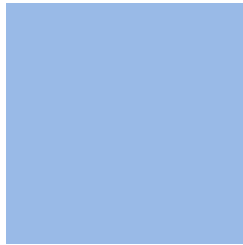


17.7570, 23.3340, 17.6540



# Previews

## White Background



This preview shows how the YIQ color 181.2630, -34.1130, 6.9990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

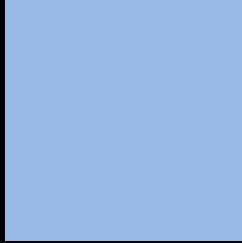
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 181.2630, -34.1130, 6.9990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

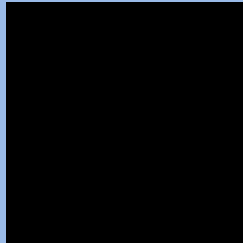
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

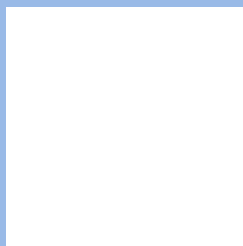
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 181.2630, -34.1130, 6.9990

## Background



This preview shows how black text looks on a background with the YIQ color 181.2630, -34.1130, 6.9990.



This preview shows how white text looks on a background with the YIQ color 181.2630, -34.1130,



# 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

181.2630, -34.1130, 6.9990

### Protanopia

183.6670, -20.4510, 12.7090

### Deuteranopia

184.4330, -19.6720, 15.1120



## Tritanopia

178.9670, -30.7640, -4.1400

# Trichromacy



## Original Color

181.2630, -34.1130, 6.9990

## Protanomaly

182.8620, -25.4940, 10.4900

## Deuteranomaly

183.2150, -24.9900, 12.3700

## Tritanomaly

180.0040, -32.1860, -0.3940

# Monochromacy



## Original Color

181.2630, -34.1130, 6.9990

## Achromatopsia

181.0000, -0.0000, 0.0000

## Achromatomaly

181.2360, -12.2880, 2.4320

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 181.2630, -34.1130, 6.9990 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(153, 186, 231)` looks like.

```
.text, #text, p{  
    color:rgb(153, 186, 231)  
}
```

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(153, 186, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 186, 231) }
```

## Border

The CSS property to change the border of an element to YIQ 181.2630, -34.1130, 6.9990 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(153, 186, 231) }
```



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

```
.border{ border-color:rgb(153, 186, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 186, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 186, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 186, 231);  
box-shadow:4px 4px 4px 4px rgb(153, 186,  
231) }
```

# Background

The CSS property to change the background color of an element to YIQ 181.2630, -34.1130, 6.9990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 186, 231) }
```

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

```
.background{ background-color: rgb(153,  
186, 231) }
```

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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