

Converting Colors

YIQ(180.7470, -33.7410,
-21.7810)

Have a look what the booklet for
YIQ(180.7470, -33.7410, -21.7810)
contains.

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Color

**YIQ(180.7470, -33.7410,
-21.7810)**

Conversions

Conversions Part 1

Format	Color
Hex	87CCB5
RGB	135, 204, 181
RGB Percent	53%, 80%, 71%
CMY	0.4708, 0.1999, 0.2903
CMYK	0.34, 0.00, 0.11, 0.20
HSL	160°, 40%, 66%
HSV	160°, 34%, 80%
XYZ	39.9215, 51.6816, 51.5716
YIQ	180.7470, -33.7410, -21.7810

Conversions

Conversions Part 2

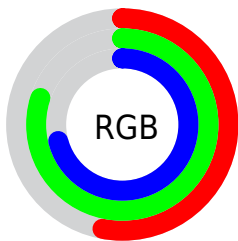
Format	Color
RYB	135, 176, 204
Decimal	8899765
CIELab	77.09, -26.80, 4.60
CIELCh	77, 27.193, 170.261
Yxy	51.6816, 0.2788, 0.3610
Android (android.graphics.Color)	4287089845 (0xFF87CCB5)
YUV	180.7470, 0.1247, -40.1201
Hunter-Lab	71.8899, -26.6836, 7.7901

Details

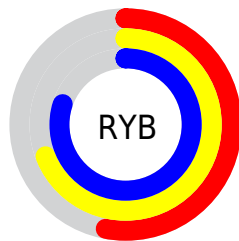
The YIQ color **180.7470, -33.7410, -21.7810** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **158.2530, 33.7410, 21.7810**, and the grayscale version is **181.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **233.5130, -32.9620, -19.3780**, and **127.1600, -33.4660, -21.2580** is the 20% darker color. If you saturate the color by 10%, you get **173.9690, -43.4140, -28.1980**, and if you desaturate by 10%, it is **187.5250, -24.0680, -15.3640**.

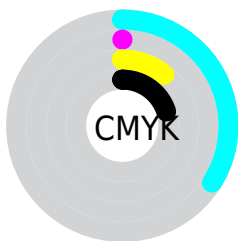
Distribution



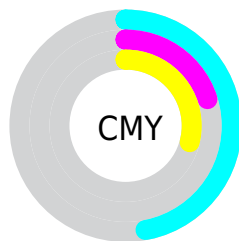
- Red (53%)
- Green (80%)
- Blue (71%)



- Red (53%)
- Yellow (69%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)



- Cyan (47%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 180.7470, -33.7410, -21.7810 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 180.7470, -33.7410, -21.7810 by changing the saturation by 10% instead.

■ 180.7470,
-33.7410, -21.7810

■ 180.7470,
-33.7410, -21.7810

■ 255.0000, -0.0000,
-0.0000

■ 153.1600,
-33.4660, -21.2580

■ 233.5130,
-32.9620, -19.3780

■ 127.1600,
-33.4660, -21.2580

■ 244.2360,
-21.4560, -7.6320

■ 100.6870,
-33.5120, -20.4240

■ 252.9070, -4.1720,
-1.4840

■ 74.6050, -36.2170,
-20.9610

■ 49.8220, -38.3260,
-21.2860

■ 33.9270, -25.2600,
-15.7880

■ 19.6790, -12.6980,

-12.1700

■ 0.0000, 0.0000,
0.0000

■ 180.7470,
-33.7410, -21.7810

■ 180.7470,
-33.7410, -21.7810

■ 173.9690,
-43.4140, -28.1980

■ 187.5250,
-24.0680, -15.3640

■ 166.8920,
-53.6830, -34.8270

■ 194.6020,
-13.7990, -8.7350

■ 160.2280,
-63.6770, -40.9330

■ 201.2660, -3.8050,
-2.6290

■ 153.1510,
-73.9460, -47.5620

■ 208.3430, 6.4640,
4.0000

■ 146.3730,
-83.6190, -53.9790

■ 215.1210, 16.1370,
10.4170

■ 139.5950,
-93.2920, -60.3960

■ 221.3010, 24.6180,
16.4100

■ 135.2520,
-99.7560, -64.3960

■ 222.0990, 22.3710,
18.5870

■ 222.7830, 20.4450,
20.4530

■ 223.5810, 18.1980,
22.6300

Harmonies

Analogous

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



183.8500, -9.1660, -21.1180



180.7470, -33.7410, -21.7810



178.6280, -52.2190, -17.2990

Triad

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



180.7470, -33.7410, -21.7810



191.5040, -18.4340, 14.7020



192.1930, 41.9970, 4.3090

Complementary

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



180.7470, -33.7410, -21.7810



158.2530, 33.7410, 21.7810

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.



193.7450, 40.8030, 14.9390



180.7470, -33.7410, -21.7810



194.1930, 7.6070, 21.8390

Square

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



180.7470, -33.7410, -21.7810



185.9630, -42.1360, 3.7200



194.6160, 28.2850, 21.5410



190.1390, 32.9210, -7.4230

Rectangle

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



180.7470, -33.7410, -21.7810



179.7510, -56.7590, -12.1110



194.6160, 28.2850, 21.5410



192.8990, 43.0050, 8.0690

Sweetspot

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



180.7470, -33.7410, -21.7810



246.4990, -12.0110, -8.0990



182.6790, -4.6710, -30.9990



122.5320, -7.6100, -5.2580



0.0000, 0.0000, 0.0000



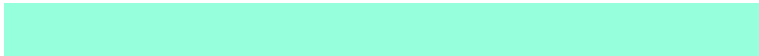
128.0000, -0.0000, -0.0000

Same Dimension

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



180.7470, -33.7410, -21.7810



219.6150, -51.3450, -33.1450



177.4990, -38.3740, -9.3980



98.6680, -4.9970, -3.0530



109.9820, -80.9600, -52.6080



25.1560, -18.4750, -12.0990

Inverse Universe

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



158.2530, 33.7410, 21.7810



185.3850, 51.3450, 33.1450



161.5010, 38.3740, 9.3980



95.3320, 4.9970, 3.0530



55.9040, 81.2810, 52.2970



12.8440, 18.4750, 12.0990

Previews

White Background



This preview shows how the YIQ color 180.7470, -33.7410, -21.7810 looks on a white background.

Color Contrast Check

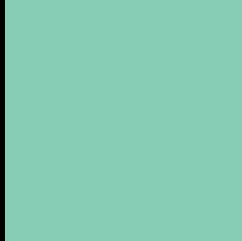
Large Text (above 18pt) WCAG AA × Fail

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 180.7470, -33.7410, -21.7810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

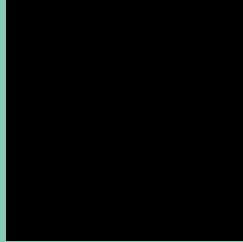
Any Text WCAG AA ✓ Pass

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 180.7470, -33.7410, -21.7810 Background



This preview shows how black text looks on a background with the YIQ color 180.7470, -33.7410, -21.7810.



This preview shows how white text looks on a background with the YIQ color 180.7470, -33.7410, -21.7810.

-21.7810.

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

180.7470, -33.7410, -21.7810

Protanopia

189.5680, 9.9040, -3.2800

Deuteranopia

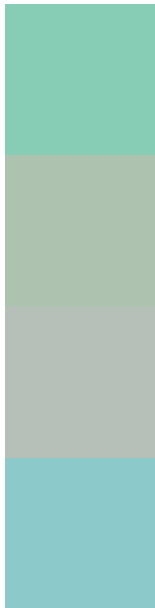
191.0020, 14.8540, 6.1340



Tritanopia

184.0800, -38.5120, -6.8960

Trichromacy



Original Color

180.7470, -33.7410, -21.7810

Protanomaly

185.9680, -6.1420, -9.8380

Deuteranomaly

187.5110, -3.1170, -4.0850

Tritanomaly

182.9890, -36.9980, -12.3100

Monochromacy



Original Color

180.7470, -33.7410, -21.7810

Achromatopsia

181.0000, -0.0000, 0.0000

Achromatomaly

180.6130, -12.3320, -7.7880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 180.7470, -33.7410, -21.7810 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(135, 204, 181)` looks like.

```
.text, #text, p{  
    color:rgb(135, 204, 181)  
}
```

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(135, 204, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 204, 181) }
```

Border

The CSS property to change the border of an element to YIQ 180.7470, -33.7410, -21.7810 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(135, 204, 181) }
```


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

```
.border{ border-color:rgb(135, 204, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 204, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 204, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 204, 181);  
box-shadow:4px 4px 4px 4px rgb(135, 204,  
181) }
```

Background

The CSS property to change the background color of an element to YIQ 180.7470, -33.7410, -21.7810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 204, 181) }
```

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

```
.background{ background-color: rgb(135,  
204, 181) }
```

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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