

Converting Colors

YIQ(157.6800, -67.1650,
-21.7650)

Have a look what the booklet for
YIQ(157.6800, -67.1650, -21.7650)
contains.

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Color

**YIQ(157.6800, -67.1650,
-21.7650)**

Conversions

Conversions Part 1

Format	Color
Hex	50BEC3
RGB	80, 190, 195
RGB Percent	31%, 75%, 76%
CMY	0.6865, 0.2547, 0.2356
CMYK	0.59, 0.03, 0.00, 0.24
HSL	183°, 49%, 54%
HSV	183°, 59%, 76%
XYZ	31.5687, 42.4866, 58.1258
YIQ	157.6800, -67.1650, -21.7650

Conversions

Conversions Part 2

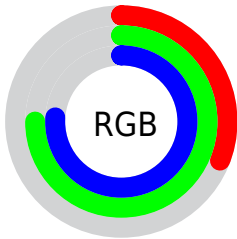
Format	Color
RYB	80, 136, 195
Decimal	5291715
CIELab	71.21, -29.62, -11.89
CIELCh	71, 31.916, 201.872
Yxy	42.4866, 0.2388, 0.3214
Android (android.graphics.Color)	4283481795 (0xFF50BEC3)
YUV	157.6800, 18.3988, -68.1254
Hunter-Lab	65.1817, -27.6172, -7.2446

Details

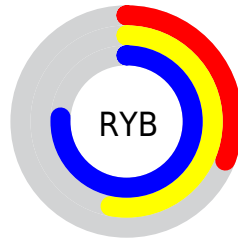
The YIQ color **157.6800, -67.1650, -21.7650** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **117.3200, 67.1650, 21.7650**, and the grayscale version is **158.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **215.5770, -65.3770, -21.1290**, and **95.9060, -82.6610, -27.2770** is the 20% darker color. If you saturate the color by 10%, you get **151.1130, -78.8100, -25.4820**, and if you desaturate by 10%, it is **163.9480, -56.1160, -18.2600**.

Distribution



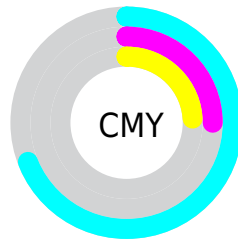
- Red (31%)
- Green (75%)
- Blue (76%)



- Red (31%)
- Yellow (53%)
- Blue (76%)



- Cyan (59%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (69%)
- Magenta (25%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 157.6800, -67.1650, -21.7650 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 157.6800, -67.1650, -21.7650 by changing the saturation by 10% instead.

■ 157.6800,
-67.1650, -21.7650

■ 157.6800,
-67.1650, -21.7650

■ 255.0000, -0.0000,
-0.0000

■ 128.2880,
-71.9330, -23.4610

■ 215.4630,
-65.0560, -21.4400

■ 95.9060, -82.6610,
-27.2770

■ 229.5850,
-50.6600, -18.0200

■ 77.7940, -67.4860,
-21.4540

■ 238.2560,
-33.3760, -11.8720

■ 60.8560, -52.8610,
-16.6770

■ 247.2260,
-15.4960, -5.5120

■ 44.1460, -38.8780,
-11.2780

■ 28.7240, -25.7660,
-6.6140

■ 8.8340, -11.0960,

2.8560

■ 0.0000, 0.0000,
0.0000

■ 157.6800,
-67.1650, -21.7650

■ 157.6800,
-67.1650, -21.7650

■ 151.1130,
-78.8100, -25.4820

■ 163.9480,
-56.1160, -18.2600

■ 144.8450,
-89.8590, -28.9870

■ 170.5150,
-44.4710, -14.5430

■ 138.8650,
-101.7790, -33.2270

■ 176.7830,
-33.4220, -11.0380

■ 132.5970,
-112.8280, -36.7320

■ 182.7630,
-21.5020, -6.7980

■ 131.9990,
-114.0200, -37.1560

■ 189.0310,
-10.4530, -3.2930

■ 195.5980, 1.1920,
0.4240

■ 201.8660, 12.2410,
3.9290

■ 208.4330, 23.8860,
7.6460

■ 214.1140, 35.2100,
11.6740

Harmonies

Analogous

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



161.7350, -42.6350, -25.7950



157.6800, -67.1650, -21.7650



160.4490, -70.4680, -11.4600

Triad

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



157.6800, -67.1650, -21.7650



178.9700, 9.8530, 25.1890



173.5260, 36.0850, -9.6990

Complementary

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



157.6800, -67.1650, -21.7650



117.3200, 67.1650, 21.7650

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.



175.4170, 47.1780, 4.0260



157.6800, -67.1650, -21.7650



178.2470, 33.8780, 24.8060

Square

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



157.6800, -67.1650, -21.7650



175.7150, -20.4060, 17.4020



176.7350, 46.7630, 17.0590



170.4800, 15.3630, -19.6210

Rectangle

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



157.6800, -67.1650, -21.7650



165.5310, -58.5950, -0.8590



176.7350, 46.7630, 17.0590



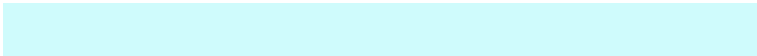
173.9120, 40.9900, -4.9780

Sweetspot

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



157.6800, -67.1650, -21.7650



237.9580, -26.5450, -9.0170



147.9610, -32.9090, -58.9010



118.1550, -16.7340, -5.1020



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.



157.6800, -67.1650, -21.7650



194.3700, -104.7590, -34.2870



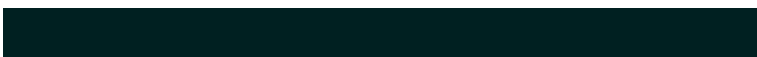
124.8080, -51.7650, 7.5230



93.4230, -5.6850, -1.5970



108.7520, -94.0310, -30.4710



22.5460, -19.3930, -6.4730

Inverse Universe

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



126.9250, 33.2300, 58.5900



146.1290, 51.4720, 91.4400



150.1920, 51.7650, -7.5230



91.0160, 3.0710, 4.9190



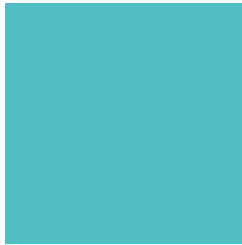
65.6950, 46.5220, 82.0260



13.5150, 9.3960, 16.9480

Previews

White Background



This preview shows how the YIQ color 157.6800, -67.1650, -21.7650 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 157.6800, -67.1650, -21.7650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

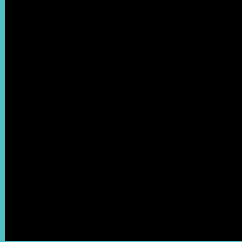
Any Text WCAG AA ✓ Pass

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 157.6800, -67.1650, -21.7650 Background



This preview shows how black text looks on a background with the YIQ color 157.6800, -67.1650, -21.7650.



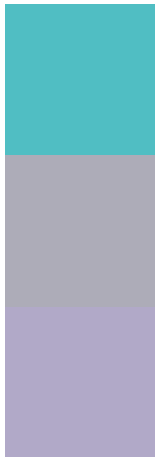
This preview shows how white text looks on a background with the YIQ color 157.6800, -67.1650, -21.7650.

-21.7650.

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

157.6800, -67.1650, -21.7650

Protanopia

173.6670, -3.2560, 3.9440

Deuteranopia

174.9260, -5.1830, 11.3370



Tritanopia

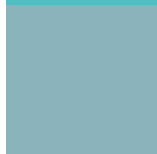
159.3150, -67.3950, -17.5950

Trichromacy



Original Color

157.6800, -67.1650, -21.7650



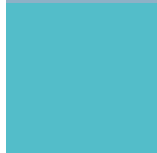
Protanomaly

168.0660, -26.7290, -5.6810



Deuteranomaly

168.9290, -27.6010, -0.8890



Tritanomaly

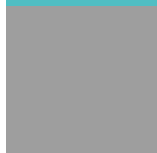
158.6740, -67.0280, -18.7400

Monochromacy



Original Color

157.6800, -67.1650, -21.7650



Achromatopsia

158.0000, -0.0000, 0.0000



Achromatomaly

158.1540, -24.1610, -8.1690

CSS Examples

Text

The CSS property to change the color of the text to YIQ 157.6800, -67.1650, -21.7650 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(80, 190, 195)` looks like.

```
.text, #text, p{  
    color:rgb(80, 190, 195)  
}
```

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(80, 190, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 190, 195) }
```

Border

The CSS property to change the border of an element to YIQ 157.6800, -67.1650, -21.7650 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(80, 190, 195) }
```


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

```
.border{ border-color:rgb(80, 190, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 190, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 190, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 190, 195);  
box-shadow:4px 4px 4px 4px rgb(80, 190,  
195) }
```

Background

The CSS property to change the background color of an element to YIQ 157.6800, -67.1650, -21.7650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 190, 195) }
```

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

```
.background{ background-color: rgb(80, 190,  
195) }
```

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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