

Converting Colors

YIQ(166.4880, -84.5400,
-31.7720)

Have a look what the booklet for
YIQ(166.4880, -84.5400, -31.7720)
contains.

YIQ(166.4880, -84.5400, -31.7720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(166.4880, -84.5400,
-31.7720)**

Conversions

Conversions Part 1

Format	Color
Hex	42D2CE
RGB	66, 210, 206
RGB Percent	26%, 82%, 81%
CMY	0.7415, 0.1762, 0.1925
CMYK	0.69, 0.00, 0.02, 0.18
HSL	178°, 62%, 54%
HSV	178°, 69%, 82%
XYZ	36.4327, 51.7304, 66.4033
YIQ	166.4880, -84.5400, -31.7720

Conversions

Conversions Part 2

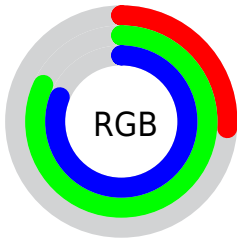
Format	Color
R _Y B	66, 139, 210
Decimal	4379342
CIE Lab	77.12, -38.17, -9.05
CIE LCh	77, 39.229, 193.345
Yxy	51.7304, 0.2357, 0.3347
Android (android.graphics.Color)	4282569422 (0xFF42D2CE)
YUV	166.4880, 19.4794, -88.1280
Hunter-Lab	71.9238, -35.4484, -4.3925

Details

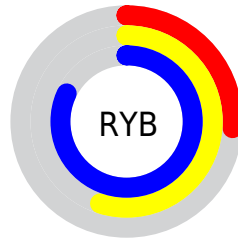
The YIQ color **166.4880, -84.5400, -31.7720** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **109.5120, 84.5400, 31.7720**, and the grayscale version is **166.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **218.5220, -72.7120, -25.8640**, and **108.3130, -91.4170, -33.7930** is the 20% darker color. If you saturate the color by 10%, you get **160.0950, -96.7350, -36.5350**, and if you desaturate by 10%, it is **172.8810, -72.3450, -27.0090**.

Distribution



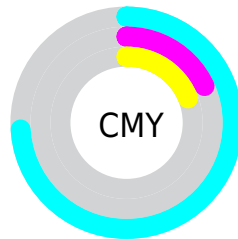
- Red (26%)
- Green (82%)
- Blue (81%)



- Red (26%)
- Yellow (55%)
- Blue (82%)



- Cyan (69%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



- Cyan (74%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 166.4880, -84.5400, -31.7720 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 166.4880, -84.5400, -31.7720 by changing the saturation by 10% instead.

■ 166.4880,
-84.5400, -31.7720

■ 166.4880,
-84.5400, -31.7720

■ 255.0000, -0.0000,
-0.0000

■ 129.8170,
-101.8240, -37.9200

■ 218.5220,
-72.7120, -25.8640

■ 108.3130,
-91.4170, -33.7930

■ 227.7910,
-54.2360, -19.2920

■ 89.5000, -75.6460,
-27.7580

■ 236.7610,
-36.3560, -12.9320

■ 71.9750, -60.7460,
-22.4580

■ 246.0300,
-17.8800, -6.3600

■ 54.5640, -46.1670,
-16.8470

■ 37.8540, -32.1840,
-11.4480

■ 23.1330, -19.6680,

-6.9960

■ 1.1400, -3.2100,
3.1100

■ 0.0000, 0.0000,
0.0000

■ 166.4880,
-84.5400, -31.7720

■ 166.4880,
-84.5400, -31.7720

■ 160.0950,
-96.7350, -36.5350

■ 172.8810,
-72.3450, -27.0090

■ 153.8160,
-109.2510, -40.9870


■ 179.1600,
-59.8290, -22.5570


■ 147.4230,
-121.4460, -45.7500

■ 185.5530,
-47.6340, -17.7940


■ 146.5260,
-123.2340, -46.3860


■ 191.8320,
-35.1180, -13.3420

 198.2250,
-22.9230, -8.5790

 204.6180,
-10.7280, -3.8160

 210.8970, 1.7880,
0.6360

 217.2900, 13.9830,
5.3990

 223.5690, 26.4990,
9.8510

Harmonies

Analogous

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



175.6220, -44.0550, -33.1030



166.4880, -84.5400, -31.7720



164.3030, -102.6520, -22.9080

Triad

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



166.4880, -84.5400, -31.7720



194.7120, 2.0120, 29.6280



189.4090, 49.6560, -7.8480

Complementary

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



166.4880, -84.5400, -31.7720



109.5120, 84.5400, 31.7720

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.



191.6360, 59.9230, 9.8350



166.4880, -84.5400, -31.7720



195.4740, 34.9770, 32.4250

Square

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



166.4880, -84.5400, -31.7720



188.7610, -35.2150, 15.9610



191.8760, 50.9800, 23.2360



186.3580, 27.3300, -21.7420

Rectangle

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



166.4880, -84.5400, -31.7720



173.2330, -87.2950, -9.3670



191.8760, 50.9800, 23.2360



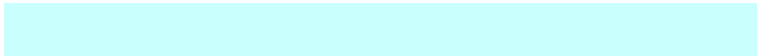
190.3220, 54.5150, -2.2930

Sweetspot

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



166.4880, -84.5400, -31.7720



238.6260, -31.5420, -12.0700



152.0230, -36.6200, -74.2520



118.3180, -18.7510, -7.0950



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.



166.4880, -84.5400, -31.7720



191.8250, -122.6380, -46.1740



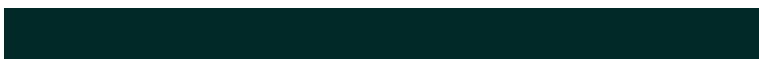
127.6150, -67.3990, 4.5130



101.5970, -6.2350, -2.6430



117.1980, -98.5230, -37.1710



28.6270, -24.1150, -9.0030

Inverse Universe

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



109.5120, 84.5400, 31.7720



109.1750, 122.6380, 46.1740



148.3850, 67.3990, -4.5130



97.2890, 6.5560, 2.3320



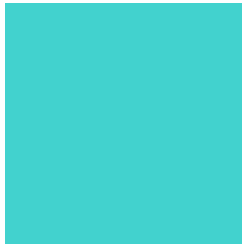
50.8020, 98.5230, 37.1710



12.3730, 24.1150, 9.0030

Previews

White Background



This preview shows how the YIQ color 166.4880, -84.5400, -31.7720 looks on a white background.

Color Contrast Check

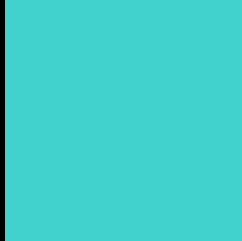
Large Text (above 18pt) WCAG AA × Fail

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 166.4880, -84.5400, -31.7720 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

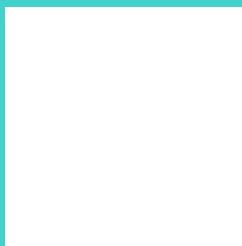
Any Text WCAG AAA ✓ Pass

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

YIQ 166.4880, -84.5400, -31.7720 Background



This preview shows how black text looks on a background with the YIQ color 166.4880, -84.5400, -31.7720.



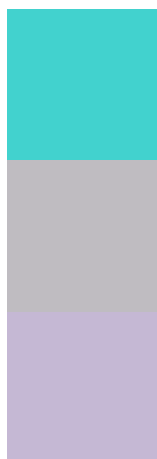
This preview shows how white text looks on a background with the YIQ color 166.4880, -84.5400, -31.7720.

-31.7720.

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

166.4880, -84.5400, -31.7720

Protanopia

189.4670, 0.1830, 2.1910

Deuteranopia

191.0790, -1.2400, 11.4640



Tritanopia

169.7690, -83.5330, -22.4850

Trichromacy



Original Color

166.4880, -84.5400, -31.7720



Protanomaly

181.2780, -30.4420, -9.9780



Deuteranomaly

181.7820, -31.6810, -4.0410



Tritanomaly

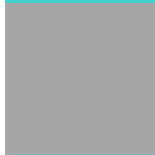
168.3620, -83.9450, -26.0330

Monochromacy



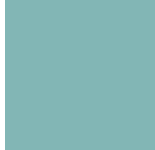
Original Color

166.4880, -84.5400, -31.7720



Achromatopsia

166.0000, -0.0000, 0.0000



Achromatomaly

166.3380, -30.6710, -11.3350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 166.4880, -84.5400, -31.7720 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(66, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(66, 210, 206)  
}
```

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(66, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 210, 206) }
```

Border

The CSS property to change the border of an element to YIQ 166.4880, -84.5400, -31.7720 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(66, 210, 206) }
```


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

```
.border{ border-color:rgb(66, 210, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 210, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(66, 210,  
206) }
```

Background

The CSS property to change the background color of an element to YIQ 166.4880, -84.5400, -31.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 210, 206) }
```

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

```
.background{ background-color: rgb(66, 210,  
206) }
```

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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