

Converting Colors

YIQ(177.6630, -68.4950,
-19.6870)

Have a look what the booklet for
YIQ(177.6630, -68.4950, -19.6870)
contains.

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Color

**YIQ(177.6630, -68.4950,
-19.6870)**

Conversions

Conversions Part 1

Format	Color
Hex	64D1DC
RGB	100, 209, 220
RGB Percent	39%, 82%, 86%
CMY	0.6081, 0.1802, 0.1375
CMYK	0.55, 0.05, 0.00, 0.14
HSL	185°, 63%, 63%
HSV	185°, 55%, 86%
XYZ	40.9689, 53.4926, 75.8263
YIQ	177.6630, -68.4950, -19.6870

Conversions

Conversions Part 2

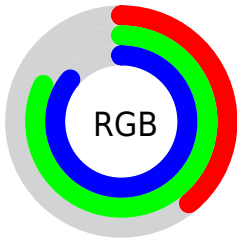
Format	Color
RYB	100, 157, 220
Decimal	6607324
CIELab	78.16, -28.19, -14.92
CIELCh	78, 31.894, 207.897
Yxy	53.4926, 0.2406, 0.3141
Android (android.graphics.Color)	4284797404 (0xFF64D1DC)
YUV	177.6630, 20.8721, -68.1105
Hunter-Lab	73.1386, -28.0051, -10.2717

Details

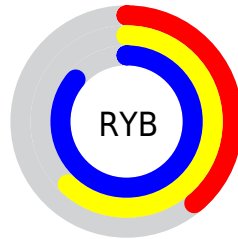
The YIQ color **177.6630, -68.4950, -19.6870** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **142.3370, 68.4950, 19.6870**, and the grayscale version is **178.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **226.5950, -56.6200, -20.1400**, and **117.2810, -79.2230, -23.5030** is the 20% darker color. If you saturate the color by 10%, you get **169.9110, -81.0570, -23.3050**, and if you desaturate by 10%, it is **185.4150, -55.9330, -16.0690**.

Distribution



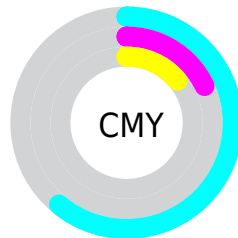
- Red (39%)
- Green (82%)
- Blue (86%)



- Red (39%)
- Yellow (62%)
- Blue (86%)



- Cyan (55%)
- Magenta (5%)
- Yellow (0%)
- Black (14%)



- Cyan (61%)
- Magenta (18%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 177.6630, -68.4950, -19.6870 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 177.6630, -68.4950, -19.6870 by changing the saturation by 10% instead.

■ 177.6630,
-68.4950, -19.6870

■ 177.6630,
-68.4950, -19.6870

■ 255.0000, -0.0000,
-0.0000

■ 148.4670,
-70.8790, -20.5350

■ 226.5950,
-56.6200, -20.1400

■ 117.2810,
-79.2230, -23.5030

■ 235.2660,
-39.3360, -13.9920

■ 90.9820, -79.8190,
-23.7150

■ 244.2360,
-21.4560, -7.6320

■ 73.3430, -64.5980,
-18.7260

■ 253.5050, -2.9800,
-1.0600

■ 55.9320, -50.0190,
-13.1150

■ 39.6950, -35.9900,
-8.5500

■ 24.8600, -23.1530,

-4.4090

■ 3.2090, -7.6580,
6.6300

■ 0.0000, 0.0000,
0.0000

■ 177.6630,
-68.4950, -19.6870

■ 177.6630,
-68.4950, -19.6870

■ 169.9110,
-81.0570, -23.3050

■ 185.4150,
-55.9330, -16.0690

■ 162.1590,
-93.6190, -26.9230

■ 193.1670,
-43.3710, -12.4510

■ 154.4070,
-106.1810, -30.5410

■ 200.9190,
-30.8090, -8.8330

■ 146.6550,
-118.7430, -34.1590

■ 208.6710,
-18.2470, -5.2150

■ 142.4800,
-125.6200, -36.1800

■ 216.4230, -5.6850,
-1.5970

■ 224.1750, 6.8770,
2.0210

■ 231.9270, 19.4390,
5.6390

■ 233.4000, 19.4850,
4.8050

■ 234.5740, 18.9350,
3.7590

Harmonies

Analogous

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



180.2120, -48.4120, -25.7240



177.6630, -68.4950, -19.6870



181.8240, -67.0300, -7.6860

Triad

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



177.6630, -68.4950, -19.6870



198.0200, 15.5840, 25.9520



191.9770, 33.1970, -12.4270

Complementary

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



177.6630, -68.4950, -19.6870



142.3370, 68.4950, 19.6870

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.



194.4230, 47.0410, 1.0010



177.6630, -68.4950, -19.6870



197.8730, 37.8670, 24.0990

Square

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



177.6630, -68.4950, -19.6870



195.5310, -13.8960, 20.5680



195.9370, 49.0100, 14.8820



188.6750, 10.3200, -21.8400

Rectangle

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



177.6630, -68.4950, -19.6870



187.2760, -53.3230, 2.7170



195.9370, 49.0100, 14.8820



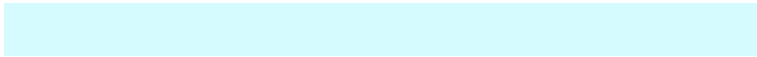
192.5480, 39.0190, -7.8050

Sweetspot

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



177.6630, -68.4950, -19.6870



240.3930, -23.3360, -6.6000



171.5800, -36.2100, -59.6500



118.7640, -14.0750, -3.7310



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.



177.6630, -68.4950, -19.6870



196.5610, -94.8110, -27.3470



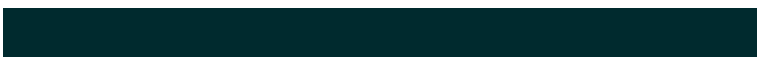
143.0300, -52.2700, 11.1700



106.1240, -6.2810, -1.8090



112.4680, -98.9830, -28.8310



29.8980, -26.3160, -7.6600

Inverse Universe

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



148.3060, 36.5310, 59.3390



155.8480, 50.4650, 82.1530



176.9700, 52.2700, -11.1700



103.4290, 3.3460, 5.4420



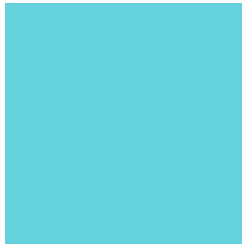
69.7390, 52.3900, 85.8140



18.5420, 13.9340, 22.8140

Previews

White Background



This preview shows how the YIQ color 177.6630, -68.4950, -19.6870 looks on a white background.

Color Contrast Check

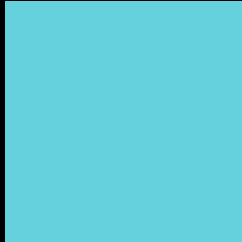
Large Text (above 18pt) WCAG AA × Fail

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 177.6630, -68.4950, -19.6870 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 177.6630, -68.4950, -19.6870 Background



This preview shows how black text looks on a background with the YIQ color 177.6630, -68.4950, -19.6870.



This preview shows how white text looks on a background with the YIQ color 177.6630, -68.4950, -19.6870.

-19.6870.

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

177.6630, -68.4950, -19.6870

Protanopia

192.9380, -5.4570, 5.2870

Deuteranopia

193.7240, -7.4300, 13.5140



Tritanopia

178.2440, -68.6330, -17.1850

Trichromacy



Original Color

177.6630, -68.4950, -19.6870



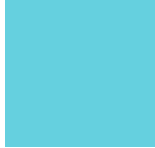
Protanomaly

187.6360, -28.3340, -4.1260



Deuteranomaly

187.7270, -29.8480, 1.2880



Tritanomaly

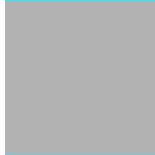
177.7170, -68.5870, -18.0190

Monochromacy



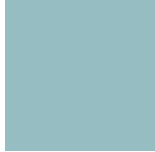
Original Color

177.6630, -68.4950, -19.6870



Achromatopsia

178.0000, -0.0000, -0.0000



Achromatomaly

177.7950, -24.5280, -7.0240

CSS Examples

Text

The CSS property to change the color of the text to YIQ 177.6630, -68.4950, -19.6870 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(100, 209, 220)` looks like.

```
.text, #text, p{  
    color:rgb(100, 209, 220)  
}
```

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(100, 209, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 209, 220) }
```

Border

The CSS property to change the border of an element to YIQ 177.6630, -68.4950, -19.6870 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(100, 209, 220) }
```


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

```
.border{ border-color:rgb(100, 209, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 209, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 209, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 209, 220);  
box-shadow:4px 4px 4px 4px rgb(100, 209,  
220) }
```

Background

The CSS property to change the background color of an element to YIQ 177.6630, -68.4950, -19.6870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 209, 220) }
```

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

```
.background{ background-color: rgb(100,  
209, 220) }
```

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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