

Converting Colors

CIELCh(57, 35.541, 181.004)

Have a look what the booklet for
CIELCh(57, 35.541, 181.004)
contains.

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Color

CIELCh(57, 35.504, 181.189)

Conversions

Conversions Part 1

Format	Color
Hex	219989
RGB	33, 153, 137
RGB Percent	13%, 60%, 54%
CMY	0.8704, 0.3999, 0.4626
CMYK	0.78, 0.00, 0.10, 0.40
HSL	172°, 64%, 36%
HSV	172°, 78%, 60%
XYZ	16.5418, 24.9227, 27.6159
YIQ	115.2960, -66.3840, -30.4160

Conversions

Conversions Part 2

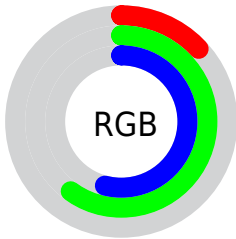
Format	Color
R_{YB}	33, 97, 153
Decimal	2201993
CIE _{Lab}	57.00, -35.50, -0.74
CIE _{LCh}	57, 35.504, 181.189
Yxy	24.9227, 0.2395, 0.3608
Android (android.graphics.Color)	4280392073 (0xFF219989)
YUV	115.2960, 10.7001, -72.1736
Hunter-Lab	49.9226, -28.2188, 2.1482

Details

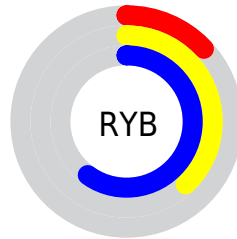
The CIELCh color **57, 35.504, 181.189** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 53.862, 23.622**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 35.670, 180.987**, and **38, 28.916, 178.448** is the 20% darker color. If you saturate the color by 10%, you get **57, 37.424, 179.942**, and if you desaturate by 10%, it is **57, 32.899, 182.325**.

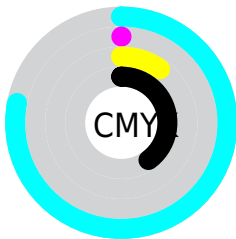
Distribution



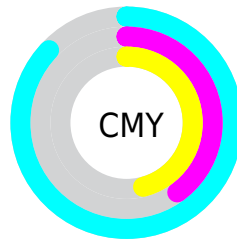
- Red (13%)
- Green (60%)
- Blue (54%)



- Red (13%)
- Yellow (38%)
- Blue (60%)



- Cyan (78%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)





- Cyan (87%)
- Magenta (40%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 35.504, 181.189 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 CIELCh color 57, 35.504, 181.189 by changing the saturation by 10% instead.


 57, 35.504,
181.189


 57, 35.504,
181.189

 100, 35.504,
181.189


 47, 35.504,
181.189


 77, 35.504,
181.189

 37, 35.504,
181.189

 87, 35.504,
181.189

 27, 35.504,
181.189

 97, 35.504,
181.189

 17, 35.504,
181.189

 7, 35.504, 181.189

 0, 35.504, 181.189

■ 57, 35.504,
181.189

■ 57, 35.504,
181.189

■ 57, 37.424,
179.942

■ 57, 32.899,
182.325

■ 57, 38.790,
178.599

■ 58, 29.604,
183.371

■ 57, 38.999,
178.388

■ 58, 25.659,
184.347

■ 59, 21.133,
185.269

■ 60, 16.114,
186.151

■ 61, 10.696,
187.008

■ 62, 4.975, 187.873

■ 63, 0.963, 8.133

Harmonies

Complementary

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



57, 35.504, 181.189



34, 53.862, 23.622

Rectangle

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



57, 35.504, 181.189



57, 35.504, 231.189



57, 35.504, 1.189



57, 35.504, 51.189

Sweetspot

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



57, 35.504, 181.188



77, 17.033, 186.490



56, 71.896, 135.349



40, 11.573, 186.208



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 35.504, 181.188



72, 46.677, 178.933



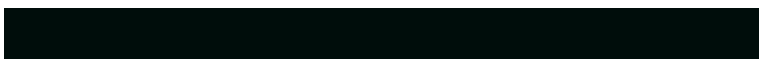
44, 30.570, 254.205



32, 3.342, 187.798



52, 36.549, 178.507



3, 3.685, 187.489

Inverse Universe

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



34, 53.862, 23.622



42, 77.232, 31.527



41, 48.719, 52.560



30, 3.487, 9.174



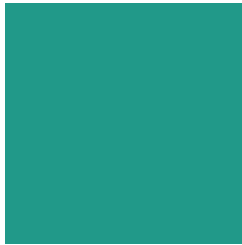
28, 61.473, 32.795



1, 3.669, 8.634

Previews

White Background



This preview shows how the CIELCh color 57, 35.504, 181.189 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 57, 35.504, 181.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

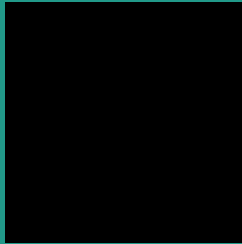
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 35.504, 181.189

Background



This preview shows how black text looks on a background with the CIELCh color 57, 35.504, 181.189.

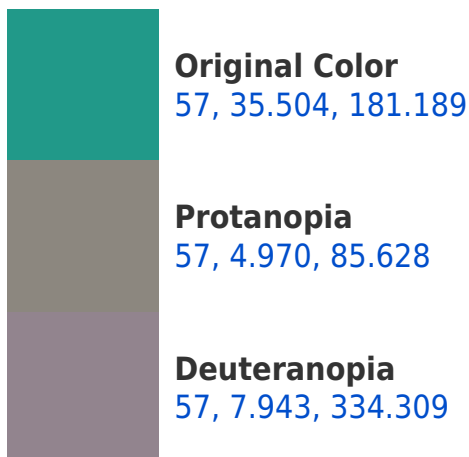


This preview shows how white text looks on a background with the CIELCh color 57, 35.504, 181.189.

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





Tritanopia
57, 28.269, 212.455

Trichromacy



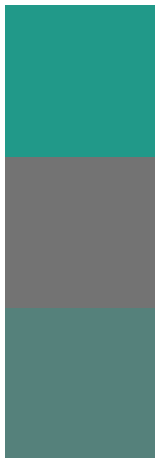
Original Color
57, 35.504, 181.189

Protanomaly
56, 16.646, 175.482

Deuteranomaly
56, 12.772, 198.190

Tritanomaly
57, 29.809, 200.087

Monochromacy



Original Color
57, 35.504, 181.189

Achromatopsia
48, 0.006, 296.813

Achromatomaly
51, 16.603, 185.442

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 35.504, 181.189 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(33, 153, 137)` looks like.

```
.text, #text, p{  
    color:rgb(33, 153, 137)  
}
```

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(33, 153, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 153, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 35.504, 181.189 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(33, 153, 137) }
```

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

```
.border{ border-color:rgb(33, 153, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 153, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 153, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 153, 137);  
box-shadow:4px 4px 4px 4px rgb(33, 153,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 35.504, 181.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 153, 137) }
```

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

```
.background{ background-color: rgb(33, 153,  
137) }
```

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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