

Converting Colors

CIELCh(63, 42.215, 174.060)

Have a look what the booklet for
CIELCh(63, 42.215, 174.060)
contains.

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Color

CIELCh(63, 42.161, 174.006)

Conversions

Conversions Part 1

Format	Color
Hex	21AB8F
RGB	33, 171, 143
RGB Percent	13%, 67%, 56%
CMY	0.8716, 0.3279, 0.4378
CMYK	0.81, 0.00, 0.16, 0.33
HSL	168°, 68%, 40%
HSV	168°, 81%, 67%
XYZ	20.2414, 31.5869, 31.1644
YIQ	126.5460, -73.2600, -37.9640

Conversions

Conversions Part 2

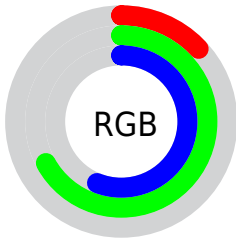
Format	Color
R_{YB}	33, 110, 171
Decimal	2206607
CIE _{Lab}	63.00, -41.93, 4.40
CIE _{LCh}	63, 42.161, 174.006
Yxy	31.5869, 0.2439, 0.3806
Android (android.graphics.Color)	4280396687 (0xFF21AB8F)
YUV	126.5460, 8.1118, -82.0398
Hunter-Lab	56.2022, -34.0667, 6.4650

Details

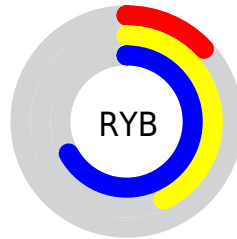
The CIELCh color **63, 42.161, 174.006** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **38, 58.978, 19.644**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 41.969, 174.255**, and **44, 35.347, 170.469** is the 20% darker color. If you saturate the color by 10%, you get **63, 44.525, 172.347**, and if you desaturate by 10%, it is **63, 39.069, 175.500**.

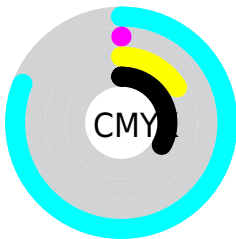
Distribution



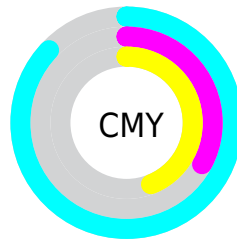
- Red (13%)
- Green (67%)
- Blue (56%)



- Red (13%)
- Yellow (43%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 42.161, 174.006 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 63, 42.161, 174.006 by changing the saturation by 10% instead.

 63, 42.161,
174.006


 63, 42.161,
174.006

 100, 42.161,
174.006

 53, 42.161,
174.006


 83, 42.161,
174.006

 43, 42.161,
174.006

 93, 42.161,
174.006

 33, 42.161,
174.006

 23, 42.161,
174.006

 13, 42.161,
174.006

 3, 42.161, 174.006

 0, 42.161, 174.006

■ 63, 42.161,
174.006

■ 63, 42.161,
174.006

■ 63, 44.525,
172.347

■ 63, 39.069,
175.500

■ 63, 46.219,
170.746

■ 64, 35.233,
176.850

■ 65, 30.690,
178.078

■ 65, 25.518,
179.205

■ 66, 19.815,
180.253

■ 67, 13.690,
181.241

■ 69, 7.254, 182.194

■ 70, 0.604, 183.765

Harmonies

Complementary

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



63, 42.161, 174.006



38, 58.978, 19.644

Rectangle

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



63, 42.161, 174.006



63, 42.161, 224.006



63, 42.161, 354.006



63, 42.161, 44.006

Sweetspot

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



63, 42.161, 174.005



85, 19.259, 180.899



62, 78.979, 134.052



45, 13.239, 180.557



95, 0.011, 296.813



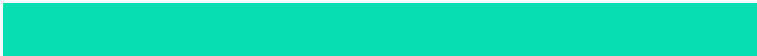
47, 0.006, 296.813

Same Dimension

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



63, 42.161, 174.005



79, 55.672, 170.943



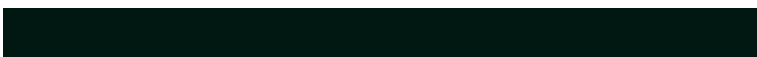
52, 31.806, 244.256



36, 3.810, 182.348



55, 41.881, 170.959



6, 8.441, 177.722

Inverse Universe

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



38, 58.978, 19.644



47, 82.359, 28.474



43, 57.128, 47.523



34, 3.950, 3.880



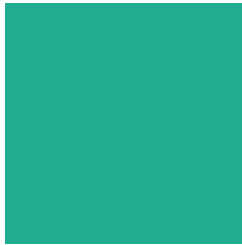
31, 62.097, 28.327



2, 8.047, 5.966

Previews

White Background



This preview shows how the CIE LCh color 63, 42.161, 174.006 looks on a white background.

Color Contrast Check

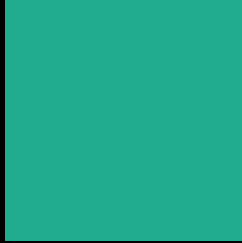
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 42.161, 174.006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

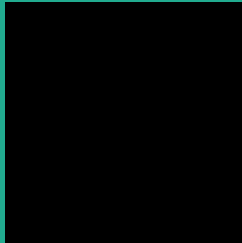
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 42.161, 174.006

Background



This preview shows how black text looks on a background with the CIELCh color 63, 42.161, 174.006.

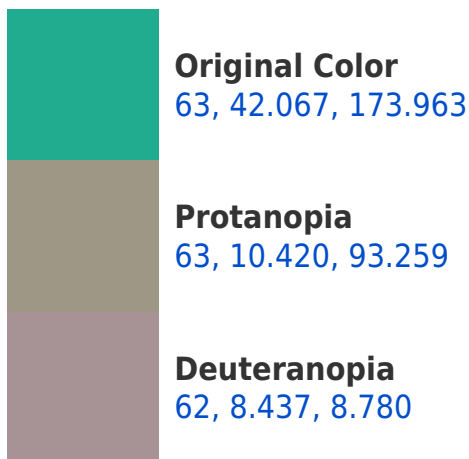



This preview shows how white text looks on a background with the CIELCh color 63, 42.161, 174.006.

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
63, 30.553, 212.087

Trichromacy



Original Color
63, 42.067, 173.963



Protanomaly
61, 21.011, 163.373



Deuteranomaly
61, 14.442, 179.874



Tritanomaly
63, 33.259, 195.671

Monochromacy



Original Color
63, 42.067, 173.963



Achromatopsia
53, 0.007, 296.813



Achromatomaly
56, 19.140, 180.056

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 42.161, 174.006 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, 171, 143)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 143)  
}
```

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, 171, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 42.161, 174.006 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, 171, 143) }
```

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

```
.border{ border-color:rgb(33, 171, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 171, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 171, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 171, 143);  
box-shadow:4px 4px 4px 4px rgb(33, 171,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 42.161, 174.006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 143) }
```

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

```
.background{ background-color: rgb(33, 171,  
143) }
```

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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