

Converting Colors

CIELCh(63, 33.409, 211.172)

Have a look what the booklet for
CIELCh(63, 33.409, 211.172)
contains.

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Color

CIELCh(63, 33.500, 210.511)

Conversions

Conversions Part 1

Format	Color
Hex	22A8B6
RGB	34, 168, 182
RGB Percent	13%, 66%, 71%
CMY	0.8653, 0.3425, 0.2876
CMYK	0.81, 0.08, 0.00, 0.29
HSL	186°, 68%, 42%
HSV	186°, 81%, 71%
XYZ	23.0173, 31.5869, 48.9524
YIQ	129.5300, -84.3580, -24.0540

Conversions

Conversions Part 2

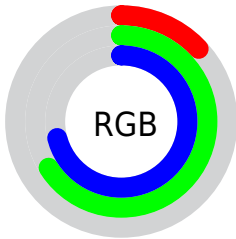
Format	Color
R_{YB}	34, 104, 182
Decimal	2271414
CIE _{Lab}	63.00, -28.86, -17.01
CIE _{LCh}	63, 33.500, 210.511
Yxy	31.5869, 0.2223, 0.3050
Android (android.graphics.Color)	4280461494 (0xFF22A8B6)
YUV	129.5300, 25.8677, -83.7798
Hunter-Lab	56.2022, -25.2503, -12.3002

Details

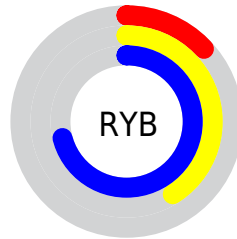
The CIELCh color **63, 33.500, 210.511** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **41, 66.018, 37.339**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 33.699, 210.103**, and **44, 26.821, 215.267** is the 20% darker color. If you saturate the color by 10%, you get **62, 34.402, 211.805**, and if you desaturate by 10%, it is **64, 31.830, 209.514**.

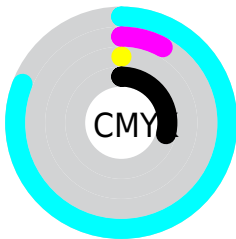
Distribution



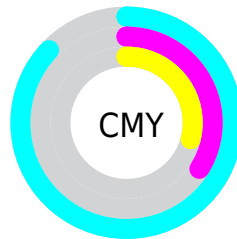
- Red (13%)
- Green (66%)
- Blue (71%)



- Red (13%)
- Yellow (41%)
- Blue (71%)



- Cyan (81%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)





- Cyan (87%)
- Magenta (34%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 33.500, 210.511 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, 33.500, 210.511 by changing the saturation by 10% instead.


 63, 33.500,
210.511


 63, 33.500,
210.511


 100, 33.500,
210.511


 53, 33.500,
210.511


 83, 33.500,
210.511

 43, 33.500,
210.511

 93, 33.500,
210.511

 33, 33.500,
210.511

 23, 33.500,
210.511

 13, 33.500,
210.511

 3, 33.500, 210.511

 0, 33.500, 210.511

■ 63, 33.500,
210.511

■ 63, 33.500,
210.511

■ 62, 34.402,
211.805

■ 64, 31.830,
209.514

■ 62, 34.738,
213.172

■ 65, 29.358,
208.785

■ 66, 26.100,
208.287

■ 67, 22.114,
207.984

■ 69, 17.481,
207.846

■ 70, 12.299,
207.847

■ 72, 6.666, 207.977

■ 74, 0.675, 208.846

Harmonies

Complementary

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



63, 33.500, 210.511



41, 66.018, 37.339

Rectangle

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



63, 33.500, 210.511



63, 33.500, 260.511



63, 33.500, 30.511



63, 33.500, 80.511

Sweetspot

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



63, 33.499, 210.510



89, 17.182, 207.832



65, 82.936, 138.653



47, 11.746, 207.832



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



63, 33.499, 210.510



79, 42.300, 212.992



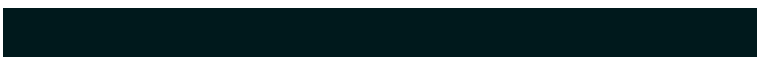
41, 52.503, 283.641



38, 3.449, 208.018



53, 31.006, 212.948



7, 9.178, 211.823

Inverse Universe

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



44, 78.585, 331.552



55, 101.112, 332.352



56, 55.962, 72.326



36, 6.474, 327.628



36, 74.224, 332.356



3, 17.083, 328.689

Previews

White Background



This preview shows how the CIELCh color 63, 33.500, 210.511 looks on a white background.

Color Contrast Check

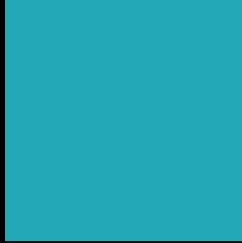
Large Text (above 18pt) WCAG AA × Fail

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, 33.500, 210.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

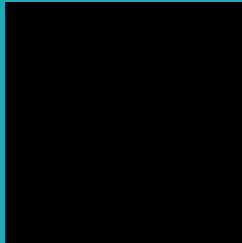
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 33.500, 210.511

Background



This preview shows how black text looks on a background with the CIELCh color 63, 33.500, 210.511.

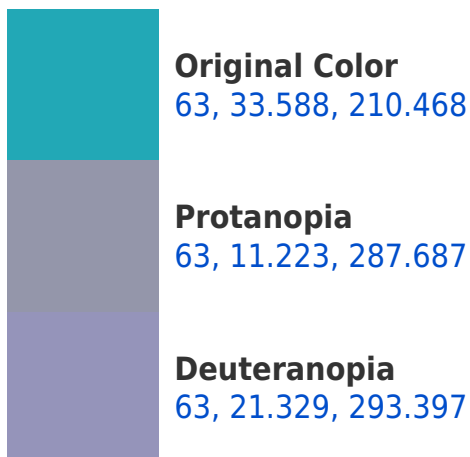



This preview shows how white text looks on a background with the CIELCh color 63, 33.500, 210.511.

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, 33.609, 209.448

Trichromacy



Original Color
63, 33.588, 210.468



Protanomaly
62, 18.685, 231.250



Deuteranomaly
62, 21.813, 247.226



Tritanomaly
63, 33.609, 209.448

Monochromacy



Original Color
63, 33.588, 210.468



Achromatopsia
54, 0.007, 296.813



Achromatomaly
56, 16.752, 207.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 33.500, 210.511 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(34, 168, 182)` looks like.

```
.text, #text, p{  
    color:rgb(34, 168, 182)  
}
```

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(34, 168, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 168, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 33.500, 210.511 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(34, 168, 182) }
```

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

```
.border{ border-color:rgb(34, 168, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 168, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 168, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 168, 182);  
box-shadow:4px 4px 4px 4px rgb(34, 168,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 33.500, 210.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 168, 182) }
```

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

```
.background{ background-color: rgb(34, 168,  
182) }
```

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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