

Converting Colors

CIELCh(64, 35.153, 198.171)

Have a look what the booklet for
CIELCh(64, 35.153, 198.171)
contains.

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Color

CIELCh(64, 35.162, 198.408)

Conversions

Conversions Part 1

Format	Color
Hex	22ACAE
RGB	34, 172, 174
RGB Percent	13%, 67%, 68%
CMY	0.8683, 0.3263, 0.3185
CMYK	0.81, 0.01, 0.00, 0.32
HSL	181°, 68%, 41%
HSV	181°, 81%, 68%
XYZ	22.9750, 32.8017, 45.0537
YIQ	130.9660, -82.8900, -28.6340

Conversions

Conversions Part 2

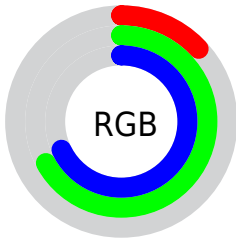
Format	Color
RYB	34, 103, 174
Decimal	2272430
CIELab	64.00, -33.36, -11.10
CIElCh	64, 35.162, 198.408
Yxy	32.8017, 0.2279, 0.3253
Android (android.graphics.Color)	4280462510 (0xFF22ACAE)
YUV	130.9660, 21.2158, -85.0392
Hunter-Lab	57.2727, -28.6220, -6.5497




Details

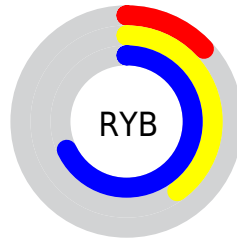
The CIELCh color **64, 35.162, 198.408** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 65.578, 34.248**, and the grayscale version is **55, 0.007, 296.813**.




A 20% lighter version of the original color is **84, 35.170, 197.949**, and **45, 28.095, 200.167** is the 20% darker color. If you saturate the color by 10%, you get **64, 36.292, 198.485**, and if you desaturate by 10%, it is **64, 33.268, 198.415**.

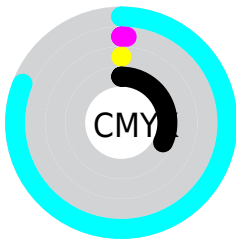
Distribution







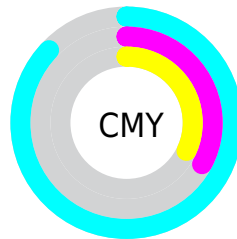
-  Red (13%)
-  Green (67%)
-  Blue (68%)






-  Red (13%)
-  Yellow (40%)
-  Blue (68%)



-  Cyan (81%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (32%)



-  Cyan (87%)
-  Magenta (33%)
-  Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 35.162, 198.408 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 64, 35.162, 198.408 by changing the saturation by 10% instead.

 64, 35.162,
198.408

 64, 35.162,
198.408


 100, 35.162,
198.408


 54, 35.162,
198.408

 84, 35.162,
198.408

 44, 35.162,
198.408

 94, 35.162,
198.408

 34, 35.162,
198.408

 24, 35.162,
198.408

 14, 35.162,
198.408

 4, 35.162, 198.408

 0, 35.162, 198.408

■ 64, 35.162,
198.408

■ 64, 35.162,
198.408

■ 64, 36.292,
198.485

■ 64, 33.268,
198.415

■ 64, 36.843,
198.616

■ 65, 30.576,
198.511

■ 66, 27.097,
198.691

■ 66, 22.882,
198.951

■ 67, 18.011,
199.285

■ 68, 12.578,
199.687

■ 70, 6.686, 200.165

■ 71, 0.434, 201.727

Harmonies

Complementary

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



64, 35.162, 198.408



38, 65.578, 34.248

Rectangle

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



64, 35.162, 198.408



64, 35.162, 248.408



64, 35.162, 18.408



64, 35.162, 68.408

Sweetspot

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



64, 35.162, 198.407



86, 17.913, 199.528



62, 83.008, 137.145



46, 12.251, 199.388



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 35.162, 198.407



81, 44.821, 198.605



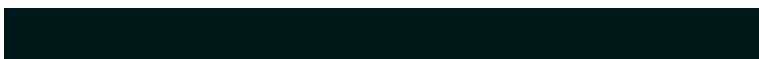
43, 43.664, 275.423



36, 3.551, 200.240



56, 33.140, 198.590



6, 7.637, 201.221

Inverse Universe

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



43, 80.138, 328.492



54, 104.137, 328.782



51, 53.708, 64.950



34, 6.527, 325.306



35, 77.110, 328.797



2, 13.659, 325.005

Previews

White Background



This preview shows how the CIE LCh color 64, 35.162, 198.408 looks on a white background.

Color Contrast Check

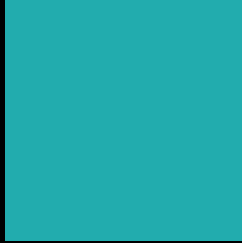
Large Text (above 18pt) WCAG AA × Fail

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 64, 35.162, 198.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

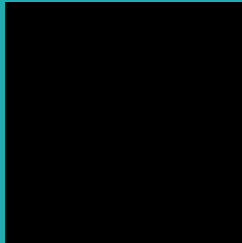
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 35.162, 198.408

Background



This preview shows how black text looks on a background with the CIELCh color 64, 35.162, 198.408.

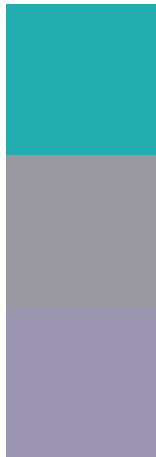


This preview shows how white text looks on a background with the CIELCh color 64, 35.162, 198.408.

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

64, 35.162, 198.408

Protanopia

64, 5.051, 294.990

Deuteranopia

64, 16.466, 300.688



Tritanopia
64, 33.063, 210.713

Trichromacy



Original Color
64, 35.162, 198.408



Protanomaly
63, 17.273, 209.291



Deuteranomaly
63, 18.208, 234.371



Tritanomaly
64, 33.737, 205.412

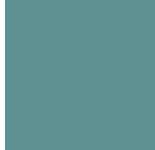
Monochromacy



Original Color
64, 35.162, 198.408



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 17.418, 199.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 35.162, 198.408 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, 172, 174)` looks like.

```
.text, #text, p{  
    color:rgb(34, 172, 174)  
}
```

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, 172, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 172, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 35.162, 198.408 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, 172, 174) }
```

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

```
.border{ border-color:rgb(34, 172, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 172, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 172, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 172, 174);  
box-shadow:4px 4px 4px 4px rgb(34, 172,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 35.162, 198.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 172, 174) }
```

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

```
.background{ background-color: rgb(34, 172,  
174) }
```

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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