

Converting Colors

CIELCh(64, 39.040, 182.725)

Have a look what the booklet for
CIELCh(64, 39.040, 182.725)
contains.

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Color

CIELCh(64, 38.935, 182.837)

Conversions

Conversions Part 1

Format	Color
Hex	22AD9D
RGB	34, 173, 157
RGB Percent	13%, 68%, 62%
CMY	0.8680, 0.3202, 0.3830
CMYK	0.81, 0.00, 0.09, 0.32
HSL	173°, 67%, 41%
HSV	173°, 81%, 68%
XYZ	21.7740, 32.8017, 37.2334
YIQ	129.6150, -77.7080, -34.4440

Conversions

Conversions Part 2

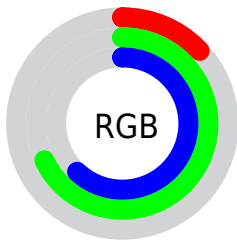
Format	Color
R_{YB}	34, 108, 173
Decimal	2272669
CIE _{Lab}	64.00, -38.89, -1.93
CIE _{LCh}	64, 38.935, 182.837
Yxy	32.8017, 0.2372, 0.3573
Android (android.graphics.Color)	4280462749 (0xFF22AD9D)
YUV	129.6150, 13.5008, -83.8544
Hunter-Lab	57.2727, -32.3650, 1.5461

Details

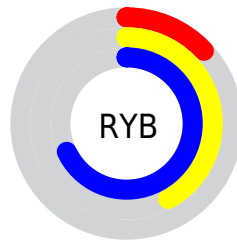
The CIELCh color **64, 38.935, 182.837** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **38, 61.608, 26.231**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 38.922, 182.556**, and **45, 31.972, 180.710** is the 20% darker color. If you saturate the color by 10%, you get **64, 40.717, 181.667**, and if you desaturate by 10%, it is **64, 36.395, 183.905**.

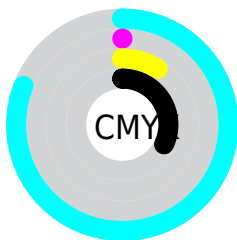
Distribution



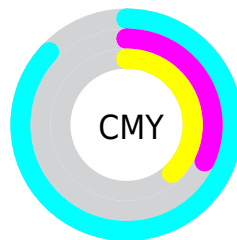
- Red (13%)
- Green (68%)
- Blue (62%)



- Red (13%)
- Yellow (42%)
- Blue (68%)



- Cyan (81%)
- Magenta (0%)
- Yellow (9%)
- Black (32%)



- Cyan (87%)
- Magenta (32%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 38.935, 182.837 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, 38.935, 182.837 by changing the saturation by 10% instead.

 64, 38.935,
182.837

 64, 38.935,
182.837


 100, 38.935,
182.837


 54, 38.935,
182.837


 84, 38.935,
182.837

 44, 38.935,
182.837

 94, 38.935,
182.837

 34, 38.935,
182.837

 24, 38.935,
182.837

 14, 38.935,
182.837

 4, 38.935, 182.837

 0, 38.935, 182.837

■ 64, 38.935,
182.837

■ 64, 38.935,
182.837

■ 64, 40.717,
181.667

■ 64, 36.395,
183.905

■ 64, 41.886,
180.496

■ 65, 33.075,
184.893

■ 65, 29.004,
185.818

■ 66, 24.249,
186.698

■ 67, 18.904,
187.546

■ 68, 13.073,
188.373

■ 69, 6.864, 189.204

■ 71, 0.378, 191.185

Harmonies

Complementary

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



64, 38.935, 182.837



38, 61.608, 26.231

Rectangle

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



64, 38.935, 182.837



64, 38.935, 232.837



64, 38.935, 2.837



64, 38.935, 52.837

Sweetspot

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



64, 38.935, 182.836



86, 18.628, 188.057



62, 81.222, 135.749



45, 12.660, 187.772



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 38.935, 182.836



81, 50.529, 180.641



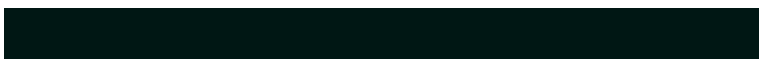
48, 36.011, 260.547



36, 3.683, 189.314



56, 37.681, 180.655



6, 8.039, 186.176

Inverse Universe

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



38, 61.608, 26.231



47, 87.977, 34.451



47, 55.006, 54.990



34, 3.855, 10.673



31, 65.714, 34.264



2, 7.888, 11.675

Previews

White Background



This preview shows how the CIELCh color 64, 38.935, 182.837 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, 38.935, 182.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

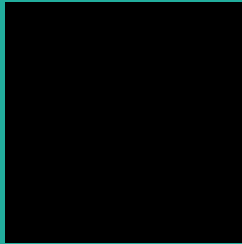
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 38.935, 182.837

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.935, 182.837.

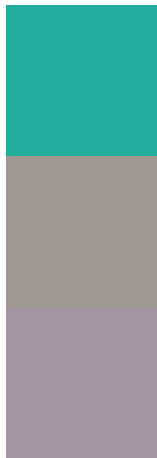


This preview shows how white text looks on a background with the CIELCh color 64, 38.935, 182.837.

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](#).

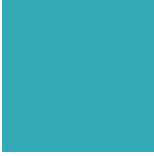
Dichromacy



Original Color
64, 38.841, 182.812

Protanopia
64, 4.539, 78.406

Deuteranopia
63, 9.950, 328.577



Tritanopia
64, 31.870, 210.263

Trichromacy



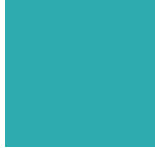
Original Color
64, 38.841, 182.812



Protanomaly
62, 17.994, 179.585



Deuteranomaly
62, 14.485, 204.886



Tritanomaly
64, 33.573, 199.581

Monochromacy



Original Color
64, 38.841, 182.812



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 18.570, 186.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.935, 182.837 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, 173, 157)` looks like.

```
.text, #text, p{  
    color:rgb(34, 173, 157)  
}
```

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, 173, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 173, 157) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.935, 182.837 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, 173, 157) }
```

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

```
.border{ border-color:rgb(34, 173, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 173, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 173, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 173, 157);  
box-shadow:4px 4px 4px 4px rgb(34, 173,  
157) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.935, 182.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 173, 157) }
```

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

```
.background{ background-color: rgb(34, 173,  
157) }
```

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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