

Converting Colors

CIELCh(70, 38.063, 198.163)

Have a look what the booklet for
CIELCh(70, 38.063, 198.163)
contains.

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Color

CIELCh(70, 37.941, 198.226)

Conversions

Conversions Part 1

Format	Color
Hex	25BDBF
RGB	37, 189, 191
RGB Percent	15%, 74%, 75%
CMY	0.8554, 0.2571, 0.2493
CMYK	0.81, 0.01, 0.00, 0.25
HSL	181°, 68%, 45%
HSV	181°, 81%, 75%
XYZ	28.4977, 40.7494, 55.8972
YIQ	143.7800, -91.2340, -31.6020

Conversions

Conversions Part 2

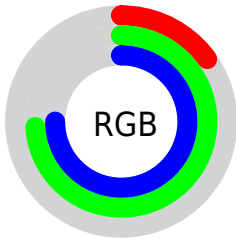
Format	Color
RYB	37, 113, 191
Decimal	2473407
CIELab	70.00, -36.04, -11.87
CIELCh	70, 37.941, 198.226
Yxy	40.7494, 0.2277, 0.3256
Android (android.graphics.Color)	4280663487 (0xFF25BDBF)
YUV	143.7800, 23.2795, -93.6461
Hunter-Lab	63.8353, -32.0248, -7.2325

Details

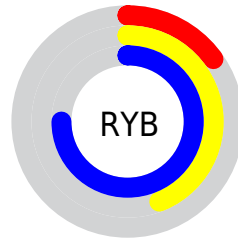
The CIELCh color **70, 37.941, 198.226** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **42, 71.033, 34.416**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 38.032, 197.824**, and **51, 30.812, 199.756** is the 20% darker color. If you saturate the color by 10%, you get **70, 39.119, 198.292**, and if you desaturate by 10%, it is **70, 35.936, 198.243**.

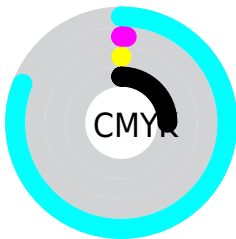
Distribution



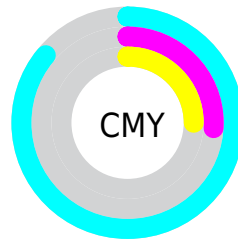
- Red (15%)
- Green (74%)
- Blue (75%)



- Red (15%)
- Yellow (44%)
- Blue (75%)



- Cyan (81%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (86%)
- Magenta (26%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.941, 198.226 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 70, 37.941, 198.226 by changing the saturation by 10% instead.


 70, 37.941,
198.226


 70, 37.941,
198.226


 100, 37.941,
198.226


 60, 37.941,
198.226


 90, 37.941,
198.226

 50, 37.941,
198.226

 40, 37.941,
198.226

 30, 37.941,
198.226

 20, 37.941,
198.226

 10, 37.941,
198.226

 0, 37.941, 198.226

■ 70, 37.941,
198.226

■ 70, 37.941,
198.226

■ 70, 39.119,
198.292

■ 70, 35.936,
198.243

■ 70, 39.656,
198.413

■ 71, 33.061,
198.346

■ 72, 29.327,
198.534

■ 72, 24.788,
198.801

■ 73, 19.530,
199.141

■ 75, 13.657,
199.551

■ 76, 7.281, 200.036

■ 77, 0.510, 201.506

Harmonies

Complementary

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



70, 37.941, 198.226



42, 71.033, 34.416

Rectangle

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



70, 37.941, 198.226



70, 37.941, 248.226



70, 37.941, 18.226



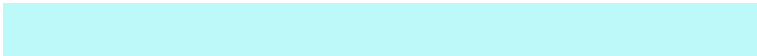
70, 37.941, 68.226

Sweetspot

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



70, 37.940, 198.225



94, 19.388, 199.393



68, 89.556, 137.092



50, 13.144, 199.247



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 37.940, 198.225



89, 48.311, 198.398



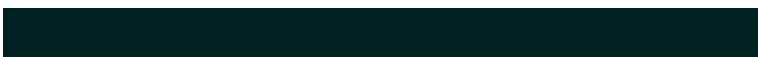
47, 47.260, 275.682



40, 3.897, 200.111



59, 34.836, 198.386



10, 12.263, 197.927

Inverse Universe

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



47, 86.499, 328.459



59, 112.176, 328.732



55, 58.136, 64.843



38, 7.163, 325.276



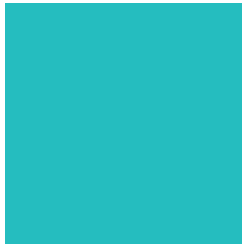
38, 80.993, 328.745



4, 23.929, 326.777

Previews

White Background



This preview shows how the CIELCh color 70, 37.941, 198.226 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 70, 37.941, 198.226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

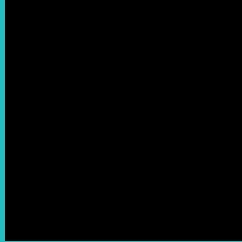
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

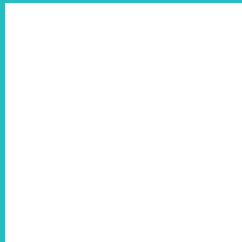
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 37.941, 198.226

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.941, 198.226.

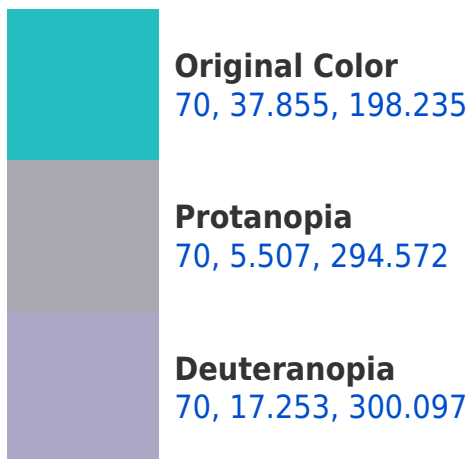


This preview shows how white text looks on a background with the CIELCh color 70, 37.941, 198.226.

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
70, 35.690, 210.339

Trichromacy



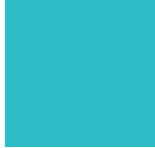
Original Color
70, 37.855, 198.235



Protanomaly
68, 18.429, 211.945



Deuteranomaly
69, 19.519, 232.851



Tritanomaly
70, 36.456, 205.487

Monochromacy



Original Color
70, 37.855, 198.235



Achromatopsia
60, 0.008, 296.813



Achromatomaly
63, 19.174, 197.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.941, 198.226 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(37, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(37, 189, 191)  
}
```

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(37, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 189, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.941, 198.226 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(37, 189, 191) }
```

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

```
.border{ border-color:rgb(37, 189, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 189, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(37, 189,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.941, 198.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 189, 191) }
```

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

```
.background{ background-color: rgb(37, 189,  
191) }
```

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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