

Converting Colors

CIELCh(82, 31.464, 172.568)

Have a look what the booklet for
CIELCh(82, 31.464, 172.568)
contains.

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Color

CIELCh(82, 31.693, 172.405)

Conversions

Conversions Part 1

Format	Color
Hex	87DCC3
RGB	135, 220, 195
RGB Percent	53%, 86%, 76%
CMY	0.4705, 0.1371, 0.2352
CMYK	0.39, 0.00, 0.11, 0.14
HSL	162°, 55%, 70%
HSV	162°, 39%, 86%
XYZ	45.4522, 60.2982, 60.8916
YIQ	191.7350, -42.6350, -25.7950

Conversions

Conversions Part 2

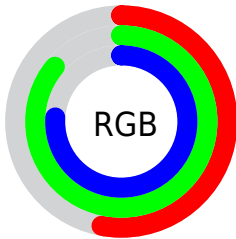
Format	Color
RYB	135, 185, 220
Decimal	8903875
CIELab	82.00, -31.41, 4.19
CIELCh	82, 31.693, 172.405
Yxy	60.2982, 0.2728, 0.3618
Android (android.graphics.Color)	4287093955 (0xFF87DCC3)
YUV	191.7350, 1.6096, -49.7566
Hunter-Lab	77.6519, -31.4090, 7.8635

Details

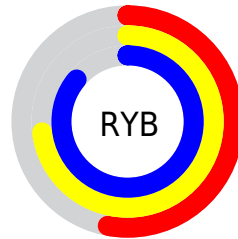
The CIELCh color **82, 31.693, 172.405** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **66, 35.687, 1.021**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 21.027, 193.890**, and **62, 32.054, 171.742** is the 20% darker color. If you saturate the color by 10%, you get **81, 38.847, 171.136**, and if you desaturate by 10%, it is **83, 23.973, 173.559**.

Distribution



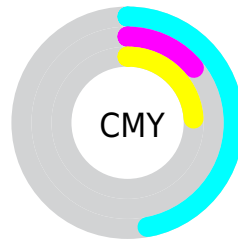
- Red (53%)
- Green (86%)
- Blue (76%)



- Red (53%)
- Yellow (73%)
- Blue (86%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (14%)





- Cyan (47%)
- Magenta (14%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 31.693, 172.405 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 82, 31.693, 172.405 by changing the saturation by 10% instead.


 82, 31.693,
172.405


 82, 31.693,
172.405


 100, 31.693,
172.405


 72, 31.693,
172.405

 62, 31.693,
172.405

 52, 31.693,
172.405

 42, 31.693,
172.405

 32, 31.693,
172.405

 22, 31.693,
172.405

 12, 31.693,

172.405

■ 2, 31.693, 172.405

■ 0, 31.693, 172.405

■ 82, 31.693,
172.405

■ 82, 31.693,
172.405

■ 81, 38.847,
171.136

■ 83, 23.973,
173.559

■ 80, 45.294,
169.733

■ 85, 15.830,
174.626

■ 79, 50.920,
168.167

■ 86, 7.402, 175.642

■ 79, 55.657,
166.417

■ 88, 1.187, 356.053

■ 90, 9.836, 357.297

■ 78, 59.505,

164.466

91, 14.498,
350.948

78, 62.592,
162.342

91, 16.332,
340.607

78, 62.994,
162.054

91, 18.603,
332.628

91, 21.170,
326.544

Harmonies

Complementary

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



82, 31.693, 172.405



66, 35.687, 1.021

Rectangle

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



82, 31.693, 172.405



82, 31.693, 222.405



82, 31.693, 352.405



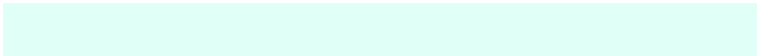
82, 31.693, 42.405

Sweetspot

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



82, 31.694, 172.403



98, 11.569, 175.290



82, 49.627, 133.816



52, 7.665, 175.157



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 31.694, 172.403



93, 41.689, 171.432



78, 22.928, 221.609



45, 4.853, 175.560



63, 52.422, 162.434



16, 19.744, 166.766

Inverse Universe

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



66, 35.687, 1.021



71, 48.091, 2.411



69, 30.301, 39.398



43, 4.990, 357.206



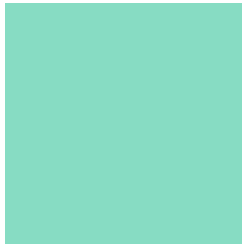
36, 65.752, 21.347



6, 23.884, 7.248

Previews

White Background



This preview shows how the CIELCh color 82, 31.693, 172.405 looks on a white background.

Color Contrast Check

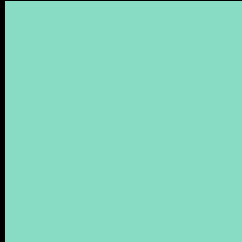
Large Text (above 18pt) WCAG AA × Fail

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 82, 31.693, 172.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

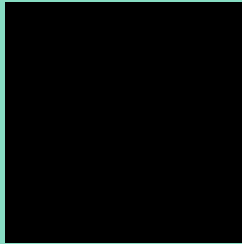
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

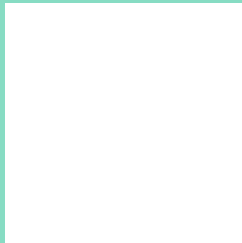
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 31.693, 172.405

Background



This preview shows how black text looks on a background with the CIELCh color 82, 31.693, 172.405.

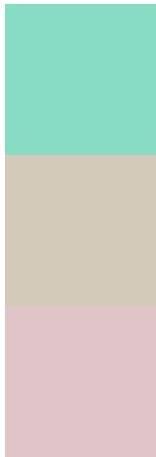


This preview shows how white text looks on a background with the CIELCh color 82, 31.693, 172.405.

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
82, 31.693, 172.405

Protanopia
82, 9.597, 88.517

Deuteranopia
81, 10.284, 8.343



Tritanopia
82, 23.627, 220.612

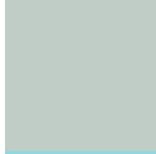
Trichromacy



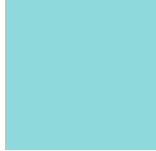
Original Color
82, 31.693, 172.405



Protanomaly
81, 14.329, 150.805



Deuteranomaly
81, 6.336, 163.154

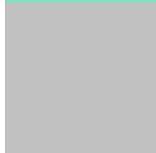


Tritanomaly
82, 24.385, 200.245

Monochromacy



Original Color
82, 31.693, 172.405



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 12.181, 175.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 31.693, 172.405 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(135, 220, 195)` looks like.

```
.text, #text, p{  
    color:rgb(135, 220, 195)  
}
```

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(135, 220, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 220, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 31.693, 172.405 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(135, 220, 195) }
```

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

```
.border{ border-color:rgb(135, 220, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 220, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 220, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 220, 195);  
box-shadow:4px 4px 4px 4px rgb(135, 220,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 31.693, 172.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 220, 195) }
```

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

```
.background{ background-color: rgb(135,  
220, 195) }
```

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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