

Converting Colors

CIELCh(82, 44.249, 170.035)

Have a look what the booklet for
CIELCh(82, 44.249, 170.035)
contains.

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Color

CIELCh(82, 44.248, 170.035)

Conversions

Conversions Part 1

Format	Color
Hex	64E1BC
RGB	100, 225, 188
RGB Percent	39%, 88%, 74%
CMY	0.6071, 0.1170, 0.2621
CMYK	0.56, 0.00, 0.16, 0.12
HSL	162°, 68%, 64%
HSV	162°, 56%, 88%
XYZ	41.3402, 60.2982, 57.1271
YIQ	183.4070, -62.6230, -38.0070

Conversions

Conversions Part 2

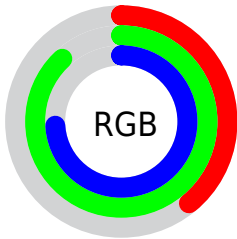
Format	Color
RYB	100, 173, 225
Decimal	6611388
CIELab	82.00, -43.58, 7.66
CIELCh	82, 44.248, 170.035
Yxy	60.2982, 0.2604, 0.3798
Android (android.graphics.Color)	4284801468 (0xFF64E1BC)
YUV	183.4070, 2.2643, -73.1479
Hunter-Lab	77.6519, -40.8612, 10.7377

Details

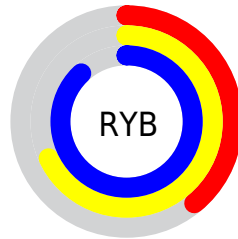
The CIELCh color **82, 44.248, 170.035** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **59, 52.338, 4.243**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.753, 186.803**, and **62, 44.192, 170.113** is the 20% darker color. If you saturate the color by 10%, you get **81, 50.263, 168.515**, and if you desaturate by 10%, it is **83, 37.429, 171.397**.

Distribution



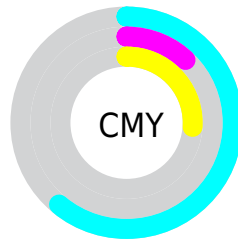
- Red (39%)
- Green (88%)
- Blue (74%)



- Red (39%)
- Yellow (68%)
- Blue (88%)



- Cyan (56%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)




- Cyan (61%)
- Magenta (12%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 44.248, 170.035 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, 44.248, 170.035 by changing the saturation by 10% instead.


 82, 44.248,
170.035

 82, 44.248,
170.035


 100, 44.248,
170.035


 72, 44.248,
170.035

 62, 44.248,
170.035

 52, 44.248,
170.035

 42, 44.248,
170.035

 32, 44.248,
170.035

 22, 44.248,
170.035

 12, 44.248,

170.035

■ 2, 44.248, 170.035

■ 0, 44.248, 170.035

■ 82, 44.248,
170.035

■ 82, 44.248,
170.035

■ 81, 50.263,
168.515

■ 83, 37.429,
171.397

■ 81, 55.386,
166.817

■ 84, 29.931,
172.631

■ 80, 59.594,
164.921

■ 85, 21.902,
173.759

■ 80, 62.950,
162.826

■ 87, 13.488,
174.806

■ 80, 64.292,

■ 89, 4.827, 175.835

161.863

■ 90, 3.964, 356.493

■ 92, 11.851,
355.410

■ 92, 13.593,
342.098

■ 93, 15.910,
332.296

Harmonies

Complementary

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



82, 44.248, 170.035



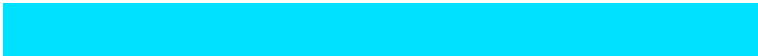
59, 52.338, 4.243

Rectangle

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



82, 44.248, 170.035



82, 44.248, 220.035



82, 44.248, 350.035



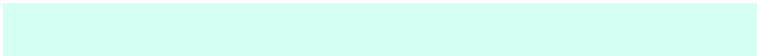
82, 44.248, 40.035

Sweetspot

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



82, 44.249, 170.034



97, 16.328, 174.642



82, 71.254, 132.896



51, 10.896, 174.433



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, 44.249, 170.034



91, 56.397, 168.198



76, 30.837, 223.748



46, 4.951, 175.420



64, 53.144, 162.250



17, 20.535, 166.342

Inverse Universe

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



59, 52.338, 4.243



61, 68.558, 7.526



63, 47.474, 40.196



44, 5.090, 357.071



37, 66.428, 21.239



6, 25.352, 7.906

Previews

White Background



This preview shows how the CIELCh color 82, 44.248, 170.035 looks on a white background.

Color Contrast Check

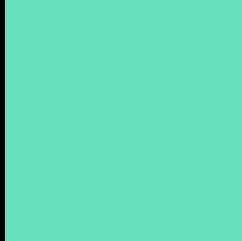
Large Text (above 18pt) WCAG AA × Fail

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, 44.248, 170.035 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, 44.248, 170.035

Background



This preview shows how black text looks on a background with the CIELCh color 82, 44.248, 170.035.

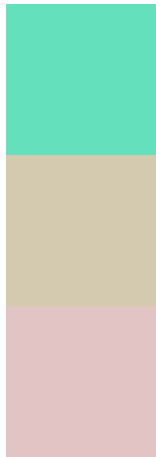


This preview shows how white text looks on a background with the CIELCh color 82, 44.248, 170.035.

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, 44.248, 170.035

Protanopia
81, 14.255, 93.236

Deuteranopia
82, 10.937, 22.963



Tritanopia
82, 30.771, 215.777

Trichromacy



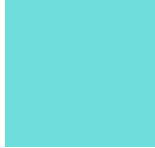
Original Color
82, 44.248, 170.035



Protanomaly
81, 21.520, 150.322



Deuteranomaly
81, 12.374, 161.608

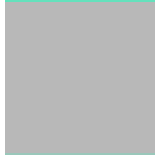


Tritanomaly
82, 33.320, 195.289

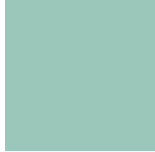
Monochromacy



Original Color
82, 44.248, 170.035



Achromatopsia
75, 0.009, 296.813



Achromatomaly
77, 17.558, 174.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 44.248, 170.035 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(100, 225, 188)` looks like.

```
.text, #text, p{  
    color:rgb(100, 225, 188)  
}
```

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(100, 225, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 225, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 44.248, 170.035 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(100, 225, 188) }
```

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

```
.border{ border-color:rgb(100, 225, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 225, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 225, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 225, 188);  
box-shadow:4px 4px 4px 4px rgb(100, 225,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 44.248, 170.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 225, 188) }
```

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

```
.background{ background-color: rgb(100,  
225, 188) }
```

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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