

Converting Colors

CIELCh(82, 41.098, 158.608)

Have a look what the booklet for
CIELCh(82, 41.098, 158.608)
contains.

CIELCh(82, 40.592, 158.945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(82, 40.592, 158.945)

Conversions

Conversions Part 1

Format	Color
Hex	82DEAF
RGB	130, 222, 175
RGB Percent	51%, 87%, 69%
CMY	0.4889, 0.1281, 0.3125
CMYK	0.41, 0.00, 0.21, 0.13
HSL	149°, 58%, 69%
HSV	149°, 41%, 87%
XYZ	43.2340, 60.2982, 50.0798
YIQ	189.1340, -39.7450, -34.1210

Conversions

Conversions Part 2

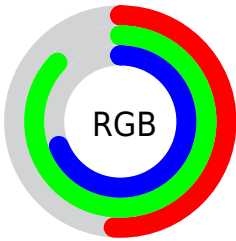
Format	Color
RYB	130, 192, 222
Decimal	8576687
CIELab	82.00, -37.88, 14.58
CIELCh	82, 40.592, 158.945
Yxy	60.2982, 0.2814, 0.3925
Android (android.graphics.Color)	4286766767 (0xFF82DEAF)
YUV	189.1340, -6.9681, -51.8605
Hunter-Lab	77.6519, -36.5080, 16.1186

Details

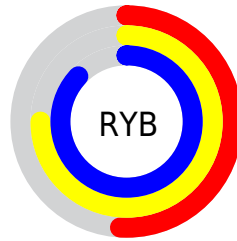
The CIELCh color **82, 40.592, 158.945** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **66, 42.489, 347.178**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 26.584, 170.069**, and **62, 40.687, 158.865** is the 20% darker color. If you saturate the color by 10%, you get **81, 49.548, 157.598**, and if you desaturate by 10%, it is **83, 31.136, 160.133**.

Distribution



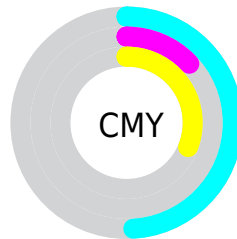
- Red (51%)
- Green (87%)
- Blue (69%)



- Red (51%)
- Yellow (75%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (13%)





- Cyan (49%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 40.592, 158.945 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, 40.592, 158.945 by changing the saturation by 10% instead.


 82, 40.592,
158.945


 82, 40.592,
158.945


 100, 40.592,
158.945


 72, 40.592,
158.945

 62, 40.592,
158.945

 52, 40.592,
158.945

 42, 40.592,
158.945

 32, 40.592,
158.945

 22, 40.592,
158.945

 12, 40.592,

158.945

■ 2, 40.592, 158.945

■ 0, 40.592, 158.945

■ 82, 40.592,
158.945

■ 82, 40.592,
158.945

■ 81, 49.548,
157.598

■ 83, 31.136,
160.133

■ 80, 57.831,
156.068

■ 85, 21.346,
161.190

■ 79, 65.298,
154.335

■ 86, 11.382,
162.145

■ 79, 71.852,
152.387

■ 88, 1.375, 163.267

■ 78, 77.478,

■ 90, 8.568, 343.665

150.236

92, 15.974,
337.402

78, 81.707,
148.297

92, 20.376,
325.258

92, 20.439,
325.135

Harmonies

Complementary

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



82, 40.592, 158.945



66, 42.489, 347.178

Rectangle

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



82, 40.592, 158.945



82, 40.592, 208.945



82, 40.592, 338.945



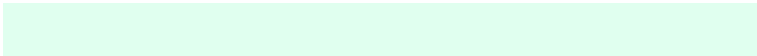
82, 40.592, 28.945

Sweetspot

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



82, 40.593, 158.944



98, 13.409, 162.080



84, 50.308, 126.525



52, 8.894, 161.958



0, 0.000, 0.000



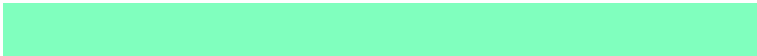
53, 0.007, 296.813

Same Dimension

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



82, 40.593, 158.944



92, 53.991, 157.740



83, 28.838, 195.816



46, 5.719, 162.323



63, 68.054, 148.686



17, 25.571, 153.164

Inverse Universe

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



66, 42.489, 347.178



70, 56.787, 348.425



64, 38.394, 22.331



44, 5.789, 343.801



38, 64.305, 0.794



6, 26.545, 353.908

Previews

White Background



This preview shows how the CIE LCh color 82, 40.592, 158.945 looks on a white background.

Color Contrast Check

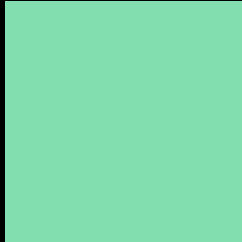
Large Text (above 18pt) WCAG AA × Fail

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, 40.592, 158.945 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, 40.592, 158.945

Background



This preview shows how black text looks on a background with the CIELCh color 82, 40.592, 158.945.

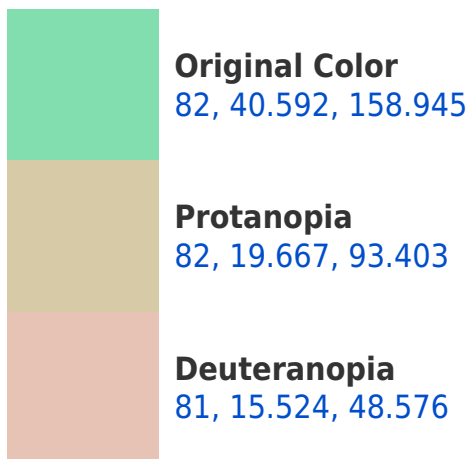


This preview shows how white text looks on a background with the CIELCh color 82, 40.592, 158.945.

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
82, 23.627, 220.612

Trichromacy



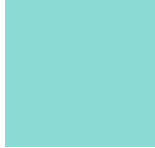
Original Color
82, 40.592, 158.945



Protanomaly
81, 23.170, 132.476



Deuteranomaly
81, 14.378, 125.736



Tritanomaly
82, 26.127, 189.353

Monochromacy



Original Color
82, 40.592, 158.945



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 15.166, 161.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 40.592, 158.945 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(130, 222, 175)` looks like.

```
.text, #text, p{  
    color:rgb(130, 222, 175)  
}
```

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(130, 222, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 222, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 40.592, 158.945 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(130, 222, 175) }
```

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

```
.border{ border-color:rgb(130, 222, 175) }
```

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

Here you see how a box with a 4 pixel rgb(130, 222, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 222, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 222, 175);  
box-shadow:4px 4px 4px 4px rgb(130, 222,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 40.592, 158.945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 222, 175) }
```

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

```
.background{ background-color: rgb(130,  
222, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor