

Converting Colors

CIELCh(80, 37.500, 175.917)

Have a look what the booklet for
CIELCh(80, 37.500, 175.917)
contains.

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Color

CIELCh(80, 37.456, 175.842)

Conversions

Conversions Part 1

Format	Color
Hex	6CD9C0
RGB	108, 217, 192
RGB Percent	42%, 85%, 75%
CMY	0.5761, 0.1486, 0.2467
CMYK	0.50, 0.00, 0.12, 0.15
HSL	166°, 59%, 64%
HSV	166°, 50%, 85%
XYZ	40.5603, 56.6813, 58.7279
YIQ	181.5590, -56.9390, -30.8830

Conversions

Conversions Part 2

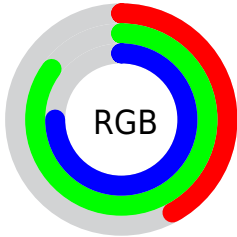
Format	Color
RYB	108, 170, 217
Decimal	7133632
CIELab	80.00, -37.36, 2.72
CIELCh	80, 37.456, 175.842
Yxy	56.6813, 0.2601, 0.3634
Android (android.graphics.Color)	4285323712 (0xFF6CD9C0)
YUV	181.5590, 5.1474, -64.5112
Hunter-Lab	75.2870, -35.5867, 6.4515

Details

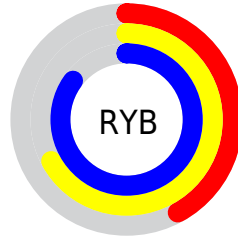
The CIELCh color **80, 37.456, 175.842** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **59, 45.624, 8.036**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.561, 190.336**, and **60, 37.612, 175.849** is the 20% darker color. If you saturate the color by 10%, you get **79, 43.167, 174.525**, and if you desaturate by 10%, it is **81, 30.987, 177.040**.

Distribution



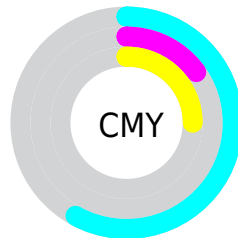
- Red (42%)
- Green (85%)
- Blue (75%)



- Red (42%)
- Yellow (67%)
- Blue (85%)



- Cyan (50%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)





- Cyan (58%)
- Magenta (15%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 37.456, 175.842 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 80, 37.456, 175.842 by changing the saturation by 10% instead.


 80, 37.456,
175.842


 80, 37.456,
175.842


 100, 37.456,
175.842


 70, 37.456,
175.842

 60, 37.456,
175.842

 50, 37.456,
175.842

 40, 37.456,
175.842

 30, 37.456,
175.842

 20, 37.456,
175.842

 10, 37.456,

175.842

■ 0, 37.456, 175.842

■ 80, 37.456,
175.842

■ 80, 37.456,
175.842

■ 79, 43.167,
174.525

■ 81, 30.987,
177.040

■ 79, 48.020,
173.069

■ 82, 23.887,
178.146

■ 78, 51.967,
171.448

■ 83, 16.295,
179.179

■ 78, 55.028,
169.646

■ 85, 8.346, 180.170

■ 78, 57.351,
167.742

■ 87, 0.165, 184.245

■ 89, 8.143, 1.814

■ 90, 14.712, 0.234

■ 90, 15.705,
351.321

■ 90, 17.043,
343.666

Harmonies

Complementary

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



80, 37.456, 175.842



59, 45.624, 8.036

Rectangle

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



80, 37.456, 175.842



80, 37.456, 225.842



80, 37.456, 355.842



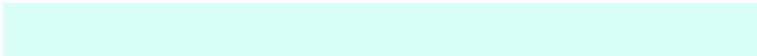
80, 37.456, 45.842

Sweetspot

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



80, 37.457, 175.841



97, 13.891, 179.683



79, 64.366, 135.013



51, 9.448, 179.473



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 37.457, 175.841



91, 48.945, 174.478



72, 27.723, 233.041



45, 4.685, 180.247



63, 48.281, 168.071



16, 18.442, 171.968

Inverse Universe

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



59, 45.624, 8.036



64, 62.051, 10.633



65, 39.431, 45.878



43, 4.848, 1.865



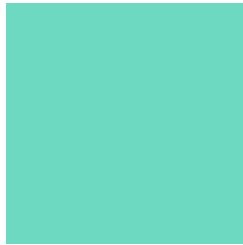
36, 68.152, 26.877



5, 23.771, 10.351

Previews

White Background



This preview shows how the CIELCh color 80, 37.456, 175.842 looks on a white background.

Color Contrast Check

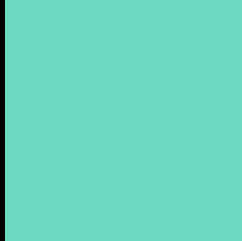
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 80, 37.456, 175.842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

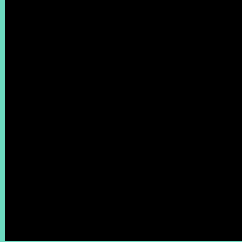
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

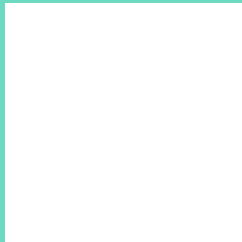
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 37.456, 175.842

Background



This preview shows how black text looks on a background with the CIELCh color 80, 37.456, 175.842.

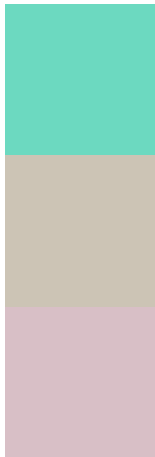


This preview shows how white text looks on a background with the CIELCh color 80, 37.456, 175.842.

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](#).

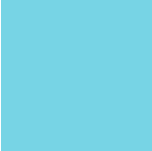
Dichromacy



Original Color
80, 37.456, 175.842

Protanopia
79, 8.518, 88.513

Deuteranopia
80, 10.026, 358.432



Tritanopia
80, 28.748, 216.156

Trichromacy



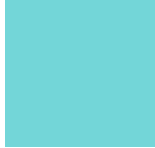
Original Color
80, 37.456, 175.842



Protanomaly
79, 16.377, 159.997



Deuteranomaly
79, 8.558, 184.323

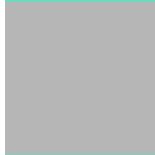


Tritanomaly
80, 30.182, 199.359

Monochromacy



Original Color
80, 37.456, 175.842



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 15.118, 179.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 37.456, 175.842 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(108, 217, 192)` looks like.

```
.text, #text, p{  
    color:rgb(108, 217, 192)  
}
```

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(108, 217, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 217, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 37.456, 175.842 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(108, 217, 192) }
```

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

```
.border{ border-color:rgb(108, 217, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 217, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 217, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 217, 192);  
box-shadow:4px 4px 4px 4px rgb(108, 217,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 37.456, 175.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 217, 192) }
```

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

```
.background{ background-color: rgb(108,  
217, 192) }
```

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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