

Converting Colors

CIELCh(80, 42.631, 208.184)

Have a look what the booklet for
CIELCh(80, 42.631, 208.184)
contains.

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Color

CIELCh(80, 42.652, 208.351)

Conversions

Conversions Part 1

Format	Color
Hex	12DBEB
RGB	18, 219, 235
RGB Percent	7%, 86%, 92%
CMY	0.9285, 0.1419, 0.0792
CMYK	0.92, 0.07, 0.00, 0.08
HSL	184°, 86%, 50%
HSV	184°, 92%, 92%
XYZ	40.5025, 56.6813, 87.2584
YIQ	160.7250, -124.9320, -37.6360

Conversions

Conversions Part 2

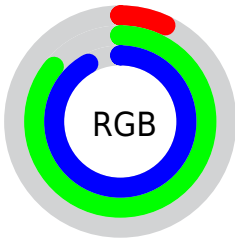
Format	Color
RYB	18, 122, 235
Decimal	1235947
CIELab	80.00, -37.54, -20.25
CIELCh	80, 42.652, 208.351
Yxy	56.6813, 0.2196, 0.3073
Android (android.graphics.Color)	4279426027 (0xFF12DBEB)
YUV	160.7250, 36.6176, -125.1698
Hunter-Lab	75.2870, -35.7236, -16.0168

Details

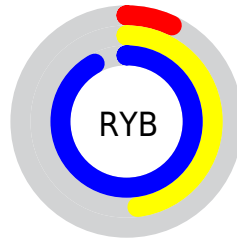
The CIELCh color **80, 42.652, 208.351** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **50, 92.460, 39.437**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **61, 34.525, 212.041** is the 20% darker color. If you saturate the color by 10%, you get **80, 42.865, 209.294**, and if you desaturate by 10%, it is **81, 41.739, 207.329**.

Distribution



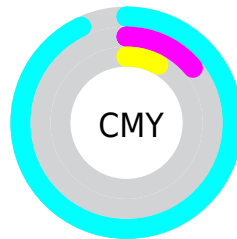
- Red (7%)
- Green (86%)
- Blue (92%)



- Red (7%)
- Yellow (48%)
- Blue (92%)



- Cyan (92%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)





- Cyan (93%)
- Magenta (14%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.652, 208.351 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, 42.652, 208.351 by changing the saturation by 10% instead.


 80, 42.652,
208.351


 80, 42.652,
208.351


 100, 42.652,
208.351


 70, 42.652,
208.351

 60, 42.652,
208.351

 50, 42.652,
208.351

 40, 42.652,
208.351

 30, 42.652,
208.351

 20, 42.652,
208.351

 10, 42.652,

208.351

■ 0, 42.652, 208.351

■ 80, 42.652,
208.351

■ 80, 42.652,
208.351

■ 80, 42.865,
209.294

■ 81, 41.739,
207.329

■ 82, 39.877,
206.555

■ 83, 36.998,
206.007

■ 84, 33.110,
205.659

■ 85, 28.276,
205.484

■ 87, 22.597,
205.457

■ 89, 16.194,
205.555

■ 90, 9.196, 205.769

■ 92, 1.726, 206.327

Harmonies

Complementary

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



80, 42.652, 208.351



50, 92.460, 39.437

Rectangle

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



80, 42.652, 208.351



80, 42.652, 258.351



80, 42.652, 28.351



80, 42.652, 78.351

Sweetspot

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



80, 42.651, 208.350



94, 21.334, 205.483



82, 108.800, 136.983



49, 14.473, 205.456



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, 42.651, 208.350



86, 45.611, 209.358



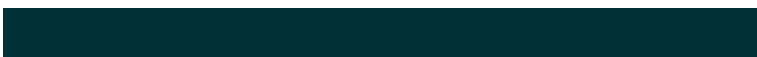
49, 71.997, 287.401



48, 4.298, 205.854



63, 35.324, 209.059



18, 15.299, 207.040

Inverse Universe

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



55, 101.320, 331.183



59, 108.936, 331.477



67, 75.416, 67.986



46, 8.042, 327.011



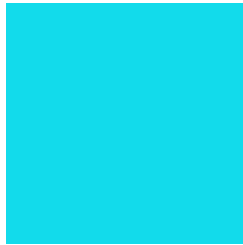
42, 84.340, 331.403



9, 36.423, 330.907

Previews

White Background



This preview shows how the CIE LCh color 80, 42.652, 208.351 looks on a white background.

Color Contrast Check

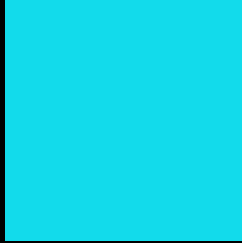
Large Text (above 18pt) WCAG AA × Fail

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 80, 42.652, 208.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

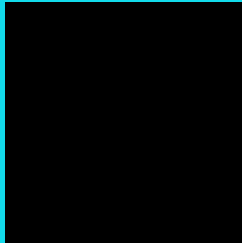
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 42.652, 208.351

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.652, 208.351.

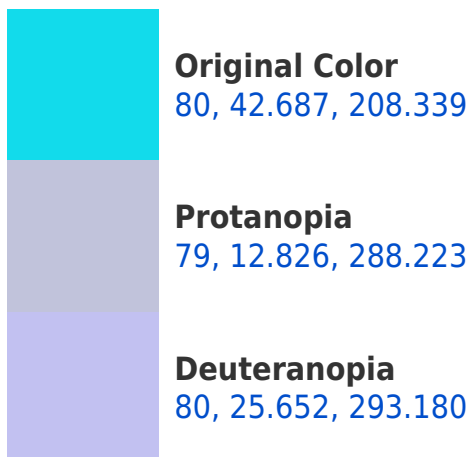


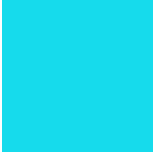
This preview shows how white text looks on a background with the CIELCh color 80, 42.652, 208.351.

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



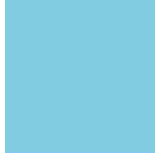


Tritanopia
80, 42.502, 209.159

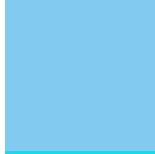
Trichromacy



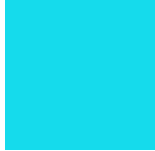
Original Color
80, 42.687, 208.339



Protanomaly
78, 25.171, 224.719



Deuteranomaly
78, 28.380, 242.981

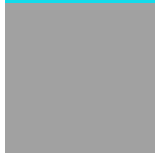


Tritanomaly
80, 42.541, 209.145

Monochromacy



Original Color
80, 42.687, 208.339



Achromatopsia
66, 0.008, 296.813



Achromatomaly
70, 23.530, 205.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.652, 208.351 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(18, 219, 235)` looks like.

```
.text, #text, p{  
    color:rgb(18, 219, 235)  
}
```

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(18, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 219, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.652, 208.351 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(18, 219, 235) }
```

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

```
.border{ border-color:rgb(18, 219, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 219, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(18, 219,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.652, 208.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 219, 235) }
```

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

```
.background{ background-color: rgb(18, 219,  
235) }
```

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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