

Converting Colors

CIELCh(82, 30.387, 203.352)

Have a look what the booklet for
CIELCh(82, 30.387, 203.352)
contains.

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Color

CIElCh(82, 30.486, 202.398)

Conversions

Conversions Part 1

Format	Color
Hex	77DCE1
RGB	119, 220, 225
RGB Percent	47%, 86%, 88%
CMY	0.5348, 0.1387, 0.1191
CMYK	0.47, 0.02, 0.00, 0.12
HSL	183°, 64%, 67%
HSV	183°, 47%, 88%
XYZ	46.5875, 60.2982, 80.1479
YIQ	190.3710, -61.8010, -19.8570

Conversions

Conversions Part 2

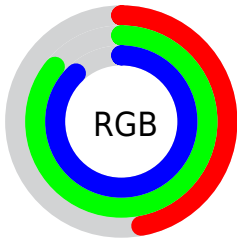
Format	Color
RYB	119, 171, 225
Decimal	7855329
CIELab	82.00, -28.19, -11.62
CIELCh	82, 30.486, 202.398
Yxy	60.2982, 0.2491, 0.3224
Android (android.graphics.Color)	4286045409 (0xFF77DCE1)
YUV	190.3710, 17.0721, -62.5924
Hunter-Lab	77.6519, -28.7991, -6.8395

Details

The CIELCh color **82, 30.486, 202.398** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 43.474, 27.694**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 24.830, 197.886**, and **62, 30.510, 202.225** is the 20% darker color. If you saturate the color by 10%, you get **81, 34.838, 202.433**, and if you desaturate by 10%, it is **83, 25.253, 202.480**.

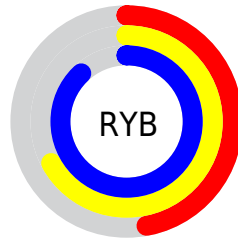
Distribution



Red (47%)

Green (86%)

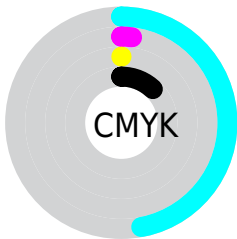
Blue (88%)



Red (47%)

Yellow (67%)

Blue (88%)

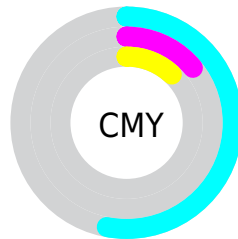


Cyan (47%)

Magenta (2%)

Yellow (0%)

Black (12%)



Cyan (53%)

Magenta (14%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 30.486, 202.398 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, 30.486, 202.398 by changing the saturation by 10% instead.

■ 82, 30.486,
202.398

■ 82, 30.486,
202.398

■ 100, 30.486,
202.398

■ 72, 30.486,
202.398

■ 62, 30.486,
202.398

■ 52, 30.486,
202.398

■ 42, 30.486,
202.398

■ 32, 30.486,
202.398

■ 22, 30.486,
202.398

■ 12, 30.486,

202.398

■ 2, 30.486, 202.398

■ 0, 30.486, 202.398

■ 82, 30.486,
202.398

■ 82, 30.486,
202.398

■ 81, 34.838,
202.433

■ 83, 25.253,
202.480

■ 80, 38.231,
202.607

■ 85, 19.248,
202.670

■ 79, 40.628,
202.934

■ 86, 12.595,
202.955

■ 79, 42.058,
203.425

■ 88, 5.419, 203.358

■ 78, 42.633,

■ 90, 2.162, 23.361

204.083

92, 10.043, 24.019

78, 42.719,
204.283

92, 10.307, 26.955

93, 10.005, 30.269

93, 9.740, 33.776

Harmonies

Complementary

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



82, 30.486, 202.398



63, 43.474, 27.694

Rectangle

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



82, 30.486, 202.398



82, 30.486, 252.398



82, 30.486, 22.398



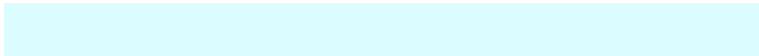
82, 30.486, 72.398

Sweetspot

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



82, 30.486, 202.396



97, 11.472, 203.064



81, 65.458, 141.493



51, 7.869, 202.987



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, 30.486, 202.396



91, 38.431, 202.435



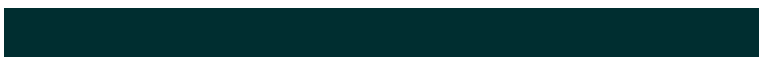
68, 33.659, 267.777



46, 4.249, 203.250



63, 35.626, 204.148



16, 14.773, 202.810

Inverse Universe

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



65, 64.546, 328.322



69, 84.128, 328.813



75, 37.482, 72.787



44, 7.897, 326.235



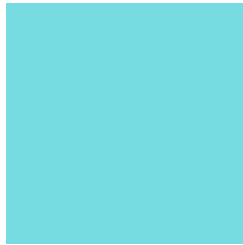
41, 84.326, 330.193



8, 34.811, 329.851

Previews

White Background



This preview shows how the CIELCh color 82, 30.486, 202.398 looks on a white background.

Color Contrast Check

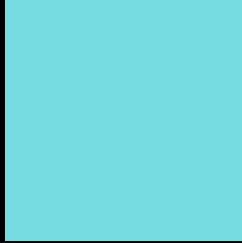
Large Text (above 18pt) WCAG AA × Fail

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, 30.486, 202.398 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, 30.486, 202.398

Background



This preview shows how black text looks on a background with the CIELCh color 82, 30.486, 202.398.

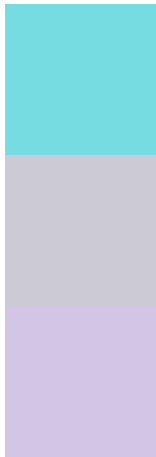


This preview shows how white text looks on a background with the CIELCh color 82, 30.486, 202.398.

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, 30.486, 202.398

Protanopia
82, 5.858, 294.193

Deuteranopia
81, 17.676, 306.445

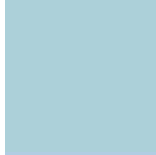


Tritanopia
82, 29.512, 216.658

Trichromacy



Original Color
82, 30.486, 202.398



Protanomaly
81, 13.006, 220.291



Deuteranomaly
81, 14.746, 251.701

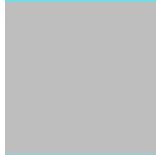


Tritanomaly
82, 29.699, 211.056

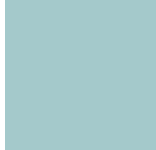
Monochromacy



Original Color
82, 30.486, 202.398



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 12.833, 203.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 30.486, 202.398 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(119, 220, 225)` looks like.

```
.text, #text, p{  
    color:rgb(119, 220, 225)  
}
```

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(119, 220, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 220, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 30.486, 202.398 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(119, 220, 225) }
```

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

```
.border{ border-color:rgb(119, 220, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 220, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 220, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 220, 225);  
box-shadow:4px 4px 4px 4px rgb(119, 220,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 30.486, 202.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 220, 225) }
```

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

```
.background{ background-color: rgb(119,  
220, 225) }
```

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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