

Converting Colors

CIELCh(82, 26.259, 220.636)

Have a look what the booklet for
CIELCh(82, 26.259, 220.636)
contains.

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Color

CIELCh(82, 26.260, 220.618)

Conversions

Conversions Part 1

Format	Color
Hex	87D8EB
RGB	135, 216, 235
RGB Percent	53%, 85%, 92%
CMY	0.4703, 0.1527, 0.0782
CMYK	0.43, 0.08, 0.00, 0.08
HSL	191°, 71%, 73%
HSV	191°, 43%, 92%
XYZ	49.5751, 60.2982, 87.6672
YIQ	193.9470, -54.3750, -11.2630

Conversions

Conversions Part 2

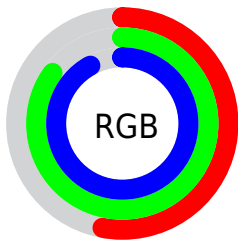
Format	Color
RYB	135, 180, 235
Decimal	8902891
CIELab	82.00, -19.93, -17.10
CIELCh	82, 26.260, 220.618
Yxy	60.2982, 0.2510, 0.3052
Android (android.graphics.Color)	4287092971 (0xFF87D8EB)
YUV	193.9470, 20.2391, -51.6965
Hunter-Lab	77.6519, -21.9316, -12.5807

Details

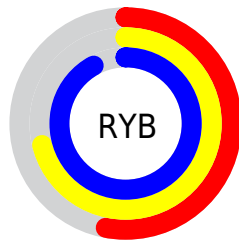
The CIELCh color **82, 26.260, 220.618** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 36.021, 38.617**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **62, 26.187, 220.433** is the 20% darker color. If you saturate the color by 10%, you get **80, 30.806, 221.807**, and if you desaturate by 10%, it is **84, 20.978, 219.740**.

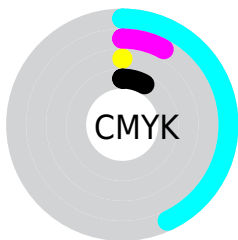
Distribution



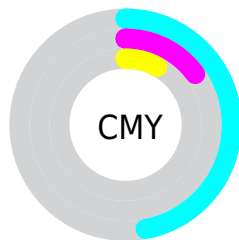
- Red (53%)
- Green (85%)
- Blue (92%)



- Red (53%)
- Yellow (71%)
- Blue (92%)



- Cyan (43%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)





- Cyan (47%)
- Magenta (15%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 26.260, 220.618 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, 26.260, 220.618 by changing the saturation by 10% instead.


 82, 26.260,
220.618


 82, 26.260,
220.618


 100, 26.260,
220.618


 72, 26.260,
220.618

 62, 26.260,
220.618

 52, 26.260,
220.618

 42, 26.260,
220.618

 32, 26.260,
220.618

 22, 26.260,
220.618

 12, 26.260,

220.618

■ 2, 26.260, 220.618

■ 0, 26.260, 220.618

■ 82, 26.260,
220.618

■ 82, 26.260,
220.618

■ 80, 30.806,
221.807

■ 84, 20.978,
219.740

■ 78, 34.530,
223.389

■ 87, 15.068,
219.121

■ 76, 37.383,
225.442

■ 90, 8.640, 218.719

■ 74, 39.374,
228.049

■ 92, 1.796, 218.713

■ 95, 5.368, 38.097

■ 73, 40.598,

231.271

97, 5.890, 61.931

72, 41.181,
234.016

98, 6.804, 85.723

99, 8.555, 101.762

100, 10.094,
109.413

Harmonies

Complementary

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



82, 26.260, 220.618



71, 36.021, 38.617

Rectangle

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



82, 26.260, 220.618



82, 26.260, 270.618



82, 26.260, 40.618



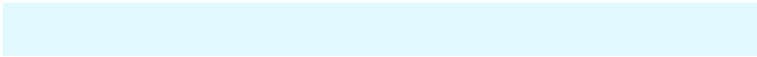
82, 26.260, 90.618

Sweetspot

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



82, 26.260, 220.615



96, 9.553, 218.735



85, 55.463, 146.369



51, 6.643, 218.808



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, 26.260, 220.615



86, 32.175, 221.630



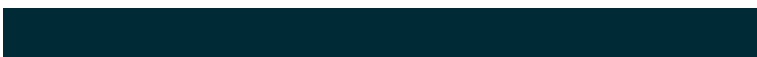
69, 38.289, 279.735



48, 3.939, 218.641



56, 33.826, 233.319



16, 14.417, 227.259

Inverse Universe

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



69, 55.256, 332.960



71, 69.587, 333.575



83, 38.190, 86.867



46, 7.413, 330.740



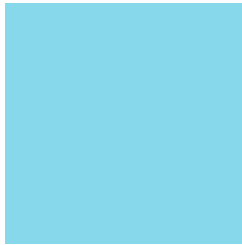
41, 77.113, 337.536



9, 33.722, 335.930

Previews

White Background



This preview shows how the CIELCh color 82, 26.260, 220.618 looks on a white background.

Color Contrast Check

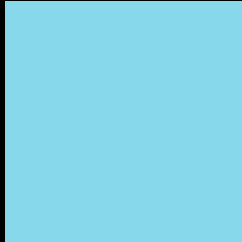
Large Text (above 18pt) WCAG AA × Fail

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, 26.260, 220.618 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, 26.260, 220.618

Background



This preview shows how black text looks on a background with the CIELCh color 82, 26.260, 220.618.

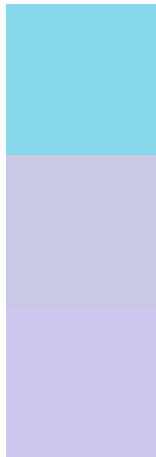


This preview shows how white text looks on a background with the CIELCh color 82, 26.260, 220.618.

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, 26.260, 220.618

Protanopia

82, 13.276, 289.850

Deuteranopia

82, 21.970, 298.244



Tritanopia
82, 26.144, 219.447

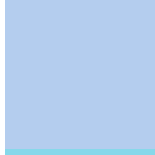
Trichromacy



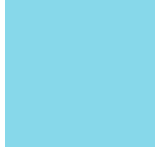
Original Color
82, 26.260, 220.618



Protanomaly
81, 15.516, 251.154



Deuteranomaly
82, 19.084, 266.239

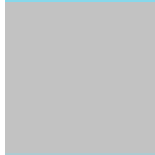


Tritanomaly
82, 26.144, 219.447

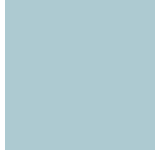
Monochromacy



Original Color
82, 26.260, 220.618



Achromatopsia
78, 0.009, 296.813



Achromatomaly
79, 10.622, 219.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 26.260, 220.618 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(135, 216, 235)` looks like.

```
.text, #text, p{  
    color:rgb(135, 216, 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(135, 216, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 216, 235) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 26.260, 220.618 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(135, 216, 235) }
```

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

```
.border{ border-color:rgb(135, 216, 235) }
```

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

Here you see how a box with a 4 pixel rgb(135, 216, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 216, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 216, 235);  
box-shadow:4px 4px 4px 4px rgb(135, 216,  
235) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 26.260, 220.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 216, 235) }
```

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

```
.background{ background-color: rgb(135,  
216, 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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