

Converting Colors

CIELCh(81, 28.095, 217.737)

Have a look what the booklet for
CIELCh(81, 28.095, 217.737)
contains.

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Color

CIELCh(81, 27.962, 217.903)

Conversions

Conversions Part 1

Format	Color
Hex	7DD6E8
RGB	125, 214, 232
RGB Percent	49%, 84%, 91%
CMY	0.5086, 0.1596, 0.0890
CMYK	0.46, 0.08, 0.00, 0.09
HSL	190°, 70%, 70%
HSV	190°, 46%, 91%
XYZ	47.2330, 58.4711, 85.3667
YIQ	189.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

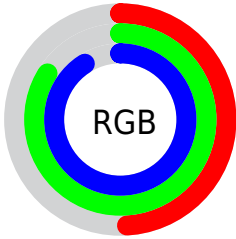
Format	Color
RYB	125, 174, 232
Decimal	8247016
CIELab	81.00, -22.06, -17.18
CIElCh	81, 27.962, 217.903
Yxy	58.4711, 0.2472, 0.3060
Android (android.graphics.Color)	4286437096 (0xFF7DD6E8)
YUV	189.4410, 20.9816, -56.5148
Hunter-Lab	76.4664, -23.5574, -12.6646

Details

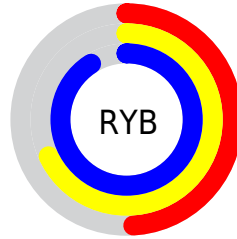
The CIELCh color **81, 27.962, 217.903** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **68, 39.725, 36.899**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.133, 197.991**, and **61, 27.870, 217.618** is the 20% darker color. If you saturate the color by 10%, you get **79, 32.185, 219.006**, and if you desaturate by 10%, it is **83, 22.949, 217.101**.

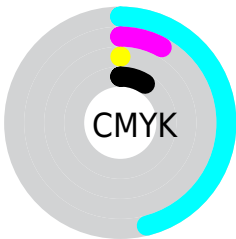
Distribution



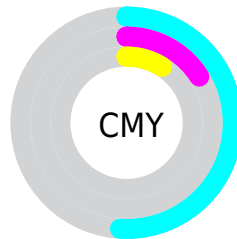
- Red (49%)
- Green (84%)
- Blue (91%)



- Red (49%)
- Yellow (68%)
- Blue (91%)



- Cyan (46%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 27.962, 217.903 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 81, 27.962, 217.903 by changing the saturation by 10% instead.

■ 81, 27.962,
217.903

■ 81, 27.962,
217.903

■ 100, 27.962,
217.903

■ 71, 27.962,
217.903

■ 61, 27.962,
217.903

■ 51, 27.962,
217.903

■ 41, 27.962,
217.903

■ 31, 27.962,
217.903

■ 21, 27.962,
217.903

■ 11, 27.962,

217.903

■ 1, 27.962, 217.903

■ 0, 27.962, 217.903

■ 81, 27.962,
217.903

■ 81, 27.962,
217.903

■ 79, 32.185,
219.006

■ 83, 22.949,
217.101

■ 77, 35.539,
220.485

■ 85, 17.253,
216.549

■ 76, 37.988,
222.412

■ 88, 10.986,
216.201

■ 74, 39.561,
224.859

■ 90, 4.259, 216.074

■ 73, 40.373,

■ 93, 2.829, 35.615

227.875

95, 6.818, 43.789

72, 40.590,
229.163

96, 6.769, 64.360

97, 7.549, 82.803

98, 8.937, 96.605

Harmonies

Complementary

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



81, 27.962, 217.903



68, 39.725, 36.899

Rectangle

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



81, 27.962, 217.903



81, 27.962, 267.903



81, 27.962, 37.903



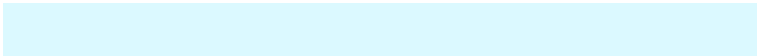
81, 27.962, 87.903

Sweetspot

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



81, 27.962, 217.901



96, 10.390, 216.155



84, 59.960, 145.434



51, 7.128, 216.206



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 27.962, 217.901



86, 34.216, 218.908



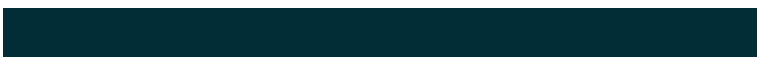
66, 40.292, 279.346



48, 3.990, 216.082



57, 33.672, 228.572



16, 14.453, 223.251

Inverse Universe

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



67, 59.788, 332.379



69, 75.320, 333.002



81, 40.528, 85.019



46, 7.528, 329.993



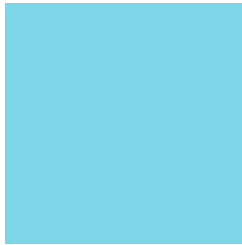
41, 78.387, 336.271



9, 34.205, 334.907

Previews

White Background



This preview shows how the CIE LCh color 81, 27.962, 217.903 looks on a white background.

Color Contrast Check

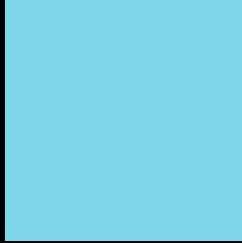
Large Text (above 18pt) WCAG AA × Fail

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 81, 27.962, 217.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

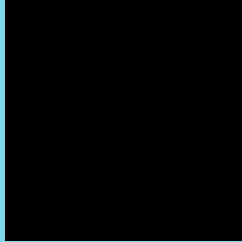
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 27.962, 217.903

Background



This preview shows how black text looks on a background with the CIELCh color 81, 27.962, 217.903.

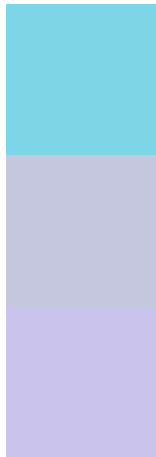


This preview shows how white text looks on a background with the CIELCh color 81, 27.962, 217.903.

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

81, 27.962, 217.903

Protanopia

81, 12.247, 288.011

Deuteranopia

81, 22.031, 298.263



Tritanopia
81, 27.962, 217.903

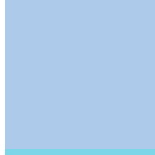
Trichromacy



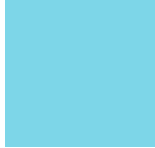
Original Color
81, 27.962, 217.903



Protanomaly
81, 15.616, 244.746



Deuteranomaly
80, 19.520, 263.748

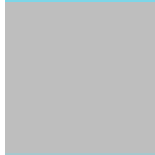


Tritanomaly
81, 27.962, 217.903

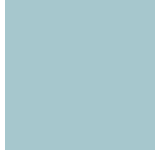
Monochromacy



Original Color
81, 27.962, 217.903



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 11.767, 214.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 27.962, 217.903 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(125, 214, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 214, 232)  
}
```

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(125, 214, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 214, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 27.962, 217.903 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(125, 214, 232) }
```

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

```
.border{ border-color:rgb(125, 214, 232) }
```

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

Here you see how a box with a 4 pixel rgb(125, 214, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 214, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 214, 232);  
box-shadow:4px 4px 4px 4px rgb(125, 214,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 27.962, 217.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 214, 232) }
```

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

```
.background{ background-color: rgb(125,  
214, 232) }
```

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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