

Converting Colors

CIELCh(81, 19.135, 231.848)

Have a look what the booklet for
CIELCh(81, 19.135, 231.848)
contains.

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Color

CIELCh(81, 19.263, 232.147)

Conversions

Conversions Part 1

Format	Color
Hex	9ED1E5
RGB	158, 209, 229
RGB Percent	62%, 82%, 90%
CMY	0.3807, 0.1807, 0.1023
CMYK	0.31, 0.09, 0.00, 0.10
HSL	197°, 58%, 76%
HSV	197°, 31%, 90%
XYZ	50.9934, 58.4711, 82.6628
YIQ	196.0310, -36.8160, -4.5920

Conversions

Conversions Part 2

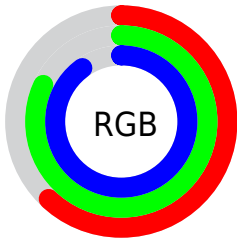
Format	Color
R _Y B	158, 188, 229
Decimal	10408421
CIE Lab	81.00, -11.82, -15.21
CIE LCh	81, 19.263, 232.147
Yxy	58.4711, 0.2654, 0.3043
Android (android.graphics.Color)	4288598501 (0xFF9ED1E5)
YUV	196.0310, 16.2537, -33.3532
Hunter-Lab	76.4664, -14.7792, -10.5681

Details

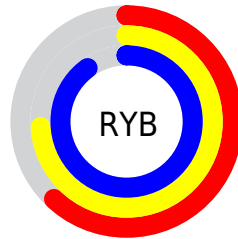
The CIELCh color **81, 19.263, 232.147** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **77, 23.428, 47.731**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.731, 198.590**, and **61, 19.398, 231.904** is the 20% darker color. If you saturate the color by 10%, you get **78, 24.596, 233.630**, and if you desaturate by 10%, it is **84, 13.443, 230.991**.

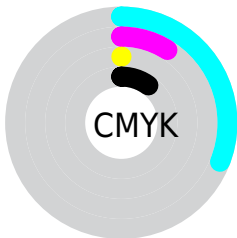
Distribution



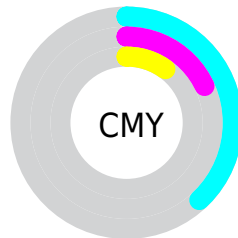
- Red (62%)
- Green (82%)
- Blue (90%)



- Red (62%)
- Yellow (74%)
- Blue (90%)



- Cyan (31%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)





- Cyan (38%)
- Magenta (18%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 19.263, 232.147 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, 19.263, 232.147 by changing the saturation by 10% instead.


 81, 19.263,
232.147


 81, 19.263,
232.147


 100, 19.263,
232.147


 71, 19.263,
232.147


 61, 19.263,
232.147

 51, 19.263,
232.147

 41, 19.263,
232.147

 31, 19.263,
232.147

 21, 19.263,
232.147

 11, 19.263,

232.147

■ 1, 19.263, 232.147

■ 0, 19.263, 232.147

■ 81, 19.263,
232.147

■ 81, 19.263,
232.147

■ 78, 24.596,
233.630

■ 84, 13.443,
230.991

■ 75, 29.364,
235.530

■ 87, 7.223, 230.124

■ 73, 33.503,
237.933

■ 91, 0.683, 230.180

■ 94, 6.105, 48.715

■ 70, 36.990,
240.935

■ 96, 8.009, 70.743

■ 68, 39.861,

■ 98, 9.864, 93.626

244.611

99, 12.731,
107.658

65, 42.233,
248.988

99, 13.201,
109.180

64, 44.148,
253.368

Harmonies

Complementary

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



81, 19.263, 232.147



77, 23.428, 47.731

Rectangle

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



81, 19.263, 232.147



81, 19.263, 282.147



81, 19.263, 52.147



81, 19.263, 102.147

Sweetspot

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



81, 19.263, 232.143



97, 6.470, 229.989



85, 37.487, 150.483



51, 4.481, 230.088



0, 0.000, 0.000



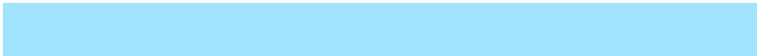
53, 0.007, 296.813

Same Dimension

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



81, 19.263, 232.143



87, 24.559, 233.022



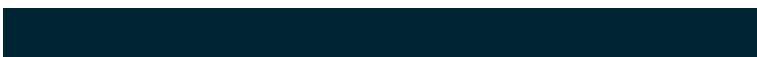
72, 29.945, 282.885



46, 3.745, 230.015



50, 36.411, 252.479



13, 14.503, 243.668

Inverse Universe

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



73, 37.412, 335.765



77, 48.546, 336.264



85, 29.136, 94.574



45, 6.820, 334.159



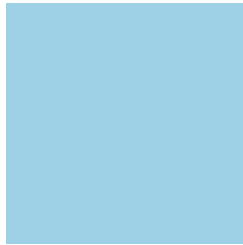
40, 71.512, 343.503



8, 30.875, 340.543

Previews

White Background



This preview shows how the CIELCh color 81, 19.263, 232.147 looks on a white background.

Color Contrast Check

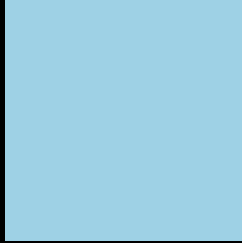
Large Text (above 18pt) WCAG AA × Fail

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, 19.263, 232.147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

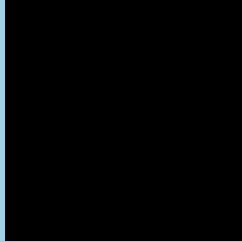
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 19.263, 232.147

Background



This preview shows how black text looks on a background with the CIELCh color 81, 19.263, 232.147.



This preview shows how white text looks on a background with the CIELCh color 81, 19.263, 232.147.

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

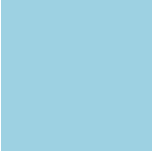
81, 19.263, 232.147

Protanopia

81, 12.769, 289.751

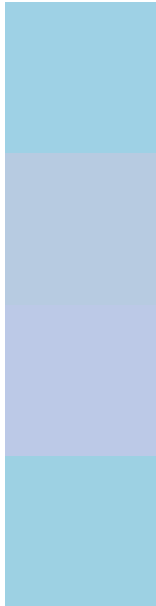
Deuteranopia

81, 19.475, 300.967



Tritanopia
81, 18.856, 227.199

Trichromacy



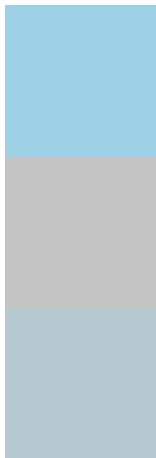
Original Color
81, 19.263, 232.147

Protanomaly
81, 13.349, 260.659

Deuteranomaly
81, 16.426, 276.122

Tritanomaly
81, 19.060, 228.718

Monochromacy



Original Color
81, 19.263, 232.147

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 7.573, 228.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 19.263, 232.147 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(158, 209, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 209, 229)  
}
```

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(158, 209, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 209, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 19.263, 232.147 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(158, 209, 229) }
```

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

```
.border{ border-color:rgb(158, 209, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 209, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 209, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 209, 229); box-shadow:4px 4px 4px 4px rgb(158, 209, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 19.263, 232.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 209, 229) }
```

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

```
.background{ background-color: rgb(158,  
209, 229) }
```

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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