

Converting Colors

CIELCh(80, 21.904, 234.211)

Have a look what the booklet for
CIELCh(80, 21.904, 234.211)
contains.

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Color

CIELCh(80, 21.900, 234.333)

Conversions

Conversions Part 1

Format	Color
Hex	95CFE7
RGB	149, 207, 231
RGB Percent	58%, 81%, 91%
CMY	0.4163, 0.1889, 0.0948
CMYK	0.36, 0.10, 0.00, 0.09
HSL	198°, 63%, 74%
HSV	198°, 36%, 91%
XYZ	49.0387, 56.6813, 83.8346
YIQ	192.3940, -42.2720, -4.8320

Conversions

Conversions Part 2

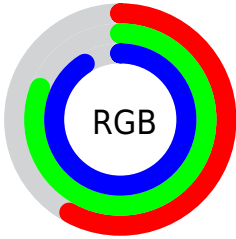
Format	Color
R _Y B	149, 183, 231
Decimal	9818087
CIE Lab	80.00, -12.77, -17.79
CIE LCh	80, 21.900, 234.333
Yxy	56.6813, 0.2587, 0.2990
Android (android.graphics.Color)	4288008167 (0xFF95CFE7)
YUV	192.3940, 19.0328, -38.0565
Hunter-Lab	75.2870, -15.4850, -13.3205

Details

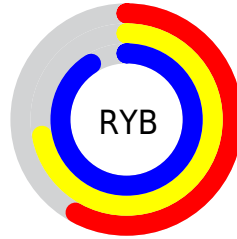
The CIELCh color `80, 21.900, 234.333` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `75, 27.408, 48.743`, and the grayscale version is `78, 0.009, 296.813`.

A 20% lighter version of the original color is `97, 16.562, 198.406`, and `60, 21.682, 233.330` is the 20% darker color. If you saturate the color by 10%, you get `77, 27.060, 236.068`, and if you desaturate by 10%, it is `83, 16.229, 232.969`.

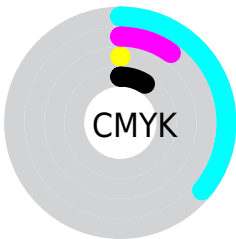
Distribution



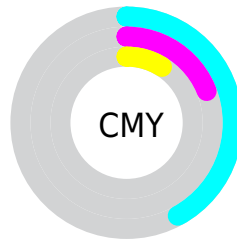
- Red (58%)
- Green (81%)
- Blue (91%)



- Red (58%)
- Yellow (72%)
- Blue (91%)



- Cyan (36%)
- Magenta (10%)
- Yellow (0%)
- Black (9%)





- Cyan (42%)
- Magenta (19%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 21.900, 234.333 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, 21.900, 234.333 by changing the saturation by 10% instead.


 80, 21.900,
234.333


 80, 21.900,
234.333


 100, 21.900,
234.333


 70, 21.900,
234.333

 60, 21.900,
234.333

 50, 21.900,
234.333

 40, 21.900,
234.333

 30, 21.900,
234.333

 20, 21.900,
234.333

 10, 21.900,

234.333

0, 21.900, 234.333

80, 21.900,
234.333

80, 21.900,
234.333

77, 27.060,
236.068

83, 16.229,
232.969

74, 31.640,
238.269

86, 10.130,
231.917

71, 35.595,
241.026

90, 3.684, 231.177

69, 38.931,
244.427

93, 3.034, 50.183

96, 7.203, 63.415

67, 41.723,
248.524

98, 8.839, 91.304

■ 64, 44.132,
253.291

■ 99, 11.797,
107.748

■ 63, 45.190,
255.520

■ 99, 12.230,
109.253

Harmonies

Complementary

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



80, 21.900, 234.333



75, 27.408, 48.743

Rectangle

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



80, 21.900, 234.333



80, 21.900, 284.333



80, 21.900, 54.333



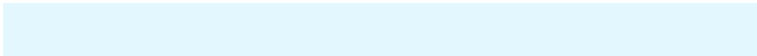
80, 21.900, 104.333

Sweetspot

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



80, 21.899, 234.330



96, 7.863, 231.539



85, 42.579, 150.633



51, 5.267, 231.648



0, 0.000, 0.000



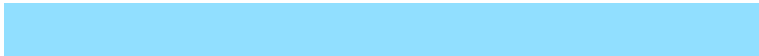
53, 0.007, 296.813

Same Dimension

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



80, 21.899, 234.330



85, 27.957, 235.633



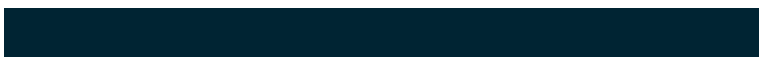
69, 35.479, 284.745



46, 3.741, 231.419



50, 37.002, 254.592



13, 14.641, 245.611

Inverse Universe

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



71, 42.725, 336.600



74, 55.636, 337.258



85, 34.142, 95.121



45, 6.767, 334.601



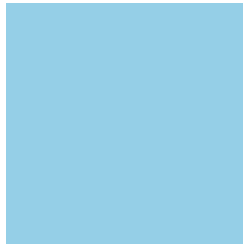
40, 71.000, 344.292



8, 30.667, 341.159

Previews

White Background



This preview shows how the CIE LCh color 80, 21.900, 234.333 looks on a white background.

Color Contrast Check

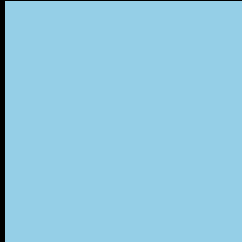
Large Text (above 18pt) WCAG AA × Fail

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, 21.900, 234.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

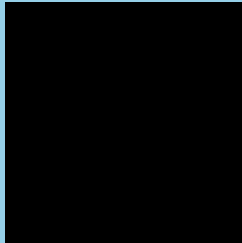
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 21.900, 234.333

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.900, 234.333.



This preview shows how white text looks on a background with the CIELCh color 80, 21.900, 234.333.

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
80, 21.900, 234.333

Protanopia
80, 14.955, 287.557

Deuteranopia
80, 22.036, 297.397



Tritanopia
80, 21.160, 223.708

Trichromacy



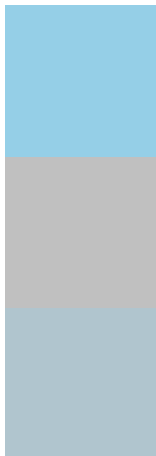
Original Color
80, 21.900, 234.333

Protanomaly
80, 15.648, 261.887

Deuteranomaly
80, 19.334, 274.887

Tritanomaly
80, 21.261, 226.861

Monochromacy



Original Color
80, 21.900, 234.333

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 8.685, 232.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.900, 234.333 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(149, 207, 231)` looks like.

```
.text, #text, p{  
    color:rgb(149, 207, 231)  
}
```

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(149, 207, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 207, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.900, 234.333 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(149, 207, 231) }
```

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

```
.border{ border-color:rgb(149, 207, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 207, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 207, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 207, 231);  
box-shadow:4px 4px 4px 4px rgb(149, 207,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.900, 234.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 207, 231) }
```

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

```
.background{ background-color: rgb(149,  
207, 231) }
```

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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