

Converting Colors

CIELCh(80, 21.108, 272.948)

Have a look what the booklet for
CIELCh(80, 21.108, 272.948)
contains.

CIELCh(80, 21.172, 273.038)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 21.172, 273.038)

Conversions

Conversions Part 1

Format	Color
Hex	B2C7ED
RGB	178, 199, 237
RGB Percent	70%, 78%, 93%
CMY	0.3004, 0.2180, 0.0690
CMYK	0.25, 0.16, 0.00, 0.07
HSL	219°, 63%, 82%
HSV	219°, 25%, 93%
XYZ	54.3133, 56.6813, 88.5157
YIQ	197.0530, -24.7140, 7.3660

Conversions

Conversions Part 2

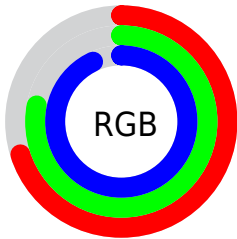
Format	Color
R _Y B	178, 193, 237
Decimal	11716589
CIE Lab	80.00, 1.12, -21.14
CIE LCh	80, 21.172, 273.038
Yxy	56.6813, 0.2722, 0.2841
Android (android.graphics.Color)	4289906669 (0xFFB2C7ED)
YUV	197.0530, 19.6939, -16.7095
Hunter-Lab	75.2870, -2.9792, -17.0070

Details

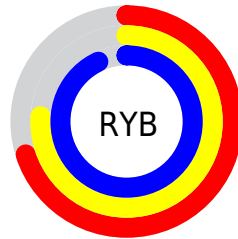
The CIELCh color `80, 21.172, 273.038` is a light color, and the websafe version is hex `99CCFF`. A complement of this color would be `87, 21.442, 86.052`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 7.186, 199.043`, and `60, 21.270, 273.162` is the 20% darker color. If you saturate the color by 10%, you get `74, 29.879, 275.004`, and if you desaturate by 10%, it is `86, 12.575, 271.362`.

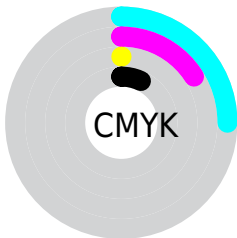
Distribution



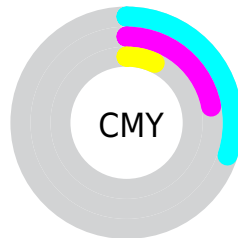
- Red (70%)
- Green (78%)
- Blue (93%)



- Red (70%)
- Yellow (76%)
- Blue (93%)



- Cyan (25%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (30%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 21.172, 273.038 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, 21.172, 273.038 by changing the saturation by 10% instead.

■ 80, 21.172,
273.038

■ 80, 21.172,
273.038

■ 100, 21.172,
273.038

■ 70, 21.172,
273.038

■ 60, 21.172,
273.038

■ 50, 21.172,
273.038

■ 40, 21.172,
273.038

■ 30, 21.172,
273.038

■ 20, 21.172,
273.038

■ 10, 21.172,

273.038

■ 0, 21.172, 273.038

■ 80, 21.172,
273.038

■ 80, 21.172,
273.038

■ 74, 29.879,
275.004

■ 86, 12.575,
271.362

■ 69, 38.714,
277.313

■ 91, 4.090, 269.972

■ 64, 47.700,
280.001

■ 97, 4.282, 88.597

■ 58, 56.880,
283.084

■ 100, 8.902,
109.502

■ 53, 66.299,
286.535

■ 48, 75.971,
290.253

■ 44, 85.802,
294.049

■ 42, 90.852,
295.899

Harmonies

Complementary

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



80, 21.172, 273.038



87, 21.442, 86.052

Rectangle

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



80, 21.172, 273.038



80, 21.172, 323.038



80, 21.172, 93.038



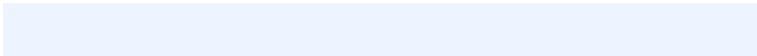
80, 21.172, 143.038

Sweetspot

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



80, 21.171, 273.035



96, 6.251, 270.244



90, 23.431, 169.110



51, 4.063, 270.324



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, 21.171, 273.035



82, 27.166, 274.031



75, 32.076, 297.695



47, 4.832, 270.575



32, 73.645, 295.274



7, 27.291, 288.691

Inverse Universe

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



79, 24.665, 354.778



81, 31.734, 355.461



92, 30.290, 113.485



47, 5.547, 353.040



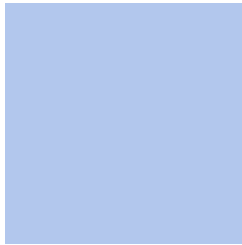
39, 66.987, 15.888



8, 28.763, 6.669

Previews

White Background



This preview shows how the CIELCh color 80, 21.172, 273.038 looks on a white background.

Color Contrast Check

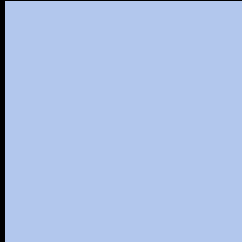
Large Text (above 18pt) WCAG AA × Fail

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, 21.172, 273.038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

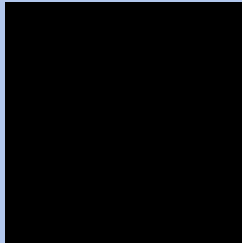
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

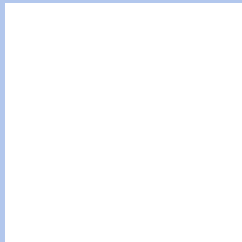
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 21.172, 273.038

Background



This preview shows how black text looks on a background with the CIELCh color 80, 21.172, 273.038.



This preview shows how white text looks on a background with the CIELCh color 80, 21.172, 273.038.

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, 21.172, 273.038

Protanopia

80, 20.851, 286.506

Deuteranopia

80, 24.060, 294.676



Tritanopia
80, 12.576, 241.749

Trichromacy



Original Color
80, 21.172, 273.038

Protanomaly
80, 21.014, 282.028

Deuteranomaly
80, 22.438, 287.069

Tritanomaly
80, 15.230, 256.430

Monochromacy



Original Color
80, 21.172, 273.038

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.925, 270.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 21.172, 273.038 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(178, 199, 237)` looks like.

```
.text, #text, p{  
    color:rgb(178, 199, 237)  
}
```

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(178, 199, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 199, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 21.172, 273.038 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(178, 199, 237) }
```

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

```
.border{ border-color:rgb(178, 199, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 199, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 199, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 199, 237);  
box-shadow:4px 4px 4px 4px rgb(178, 199,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 21.172, 273.038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 199, 237) }
```

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

```
.background{ background-color: rgb(178,  
199, 237) }
```

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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