

Converting Colors

CIELCh(80, 21.102, 267.271)

Have a look what the booklet for
CIELCh(80, 21.102, 267.271)
contains.

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Color

CIELCh(80, 20.804, 266.891)

Conversions

Conversions Part 1

Format	Color
Hex	AEC9ED
RGB	174, 201, 237
RGB Percent	68%, 79%, 93%
CMY	0.3189, 0.2130, 0.0719
CMYK	0.27, 0.15, 0.00, 0.07
HSL	214°, 63%, 80%
HSV	214°, 27%, 93%
XYZ	53.4344, 56.6813, 87.9920
YIQ	197.0310, -27.6480, 5.4720

Conversions

Conversions Part 2

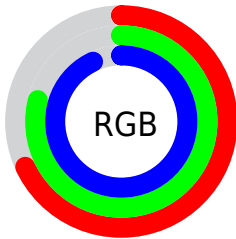
Format	Color
RYB	174, 193, 237
Decimal	11454957
CIELab	80.00, -1.13, -20.77
CIELCh	80, 20.804, 266.891
Yxy	56.6813, 0.2697, 0.2861
Android (android.graphics.Color)	4289645037 (0xFFAEC9ED)
YUV	197.0310, 19.7047, -20.1982
Hunter-Lab	75.2870, -5.0632, -16.5946

Details

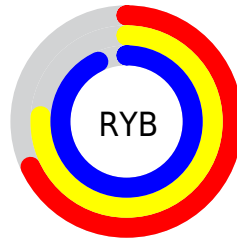
The CIELCh color **80, 20.804, 266.891** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **85, 21.687, 79.246**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 8.521, 198.944**, and **60, 20.845, 266.847** is the 20% darker color. If you saturate the color by 10%, you get **75, 28.625, 268.971**, and if you desaturate by 10%, it is **85, 12.979, 265.129**.

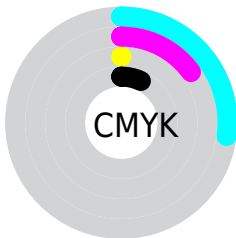
Distribution



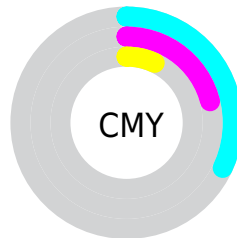
- Red (68%)
- Green (79%)
- Blue (93%)



- Red (68%)
- Yellow (76%)
- Blue (93%)



- Cyan (27%)
- Magenta (15%)
- Yellow (0%)
- Black (7%)



- Cyan (32%)
- Magenta (21%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 20.804, 266.891 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, 20.804, 266.891 by changing the saturation by 10% instead.

■ 80, 20.804,
266.891

■ 80, 20.804,
266.891

■ 100, 20.804,
266.891

■ 70, 20.804,
266.891

■ 60, 20.804,
266.891

■ 50, 20.804,
266.891

■ 40, 20.804,
266.891

■ 30, 20.804,
266.891

■ 20, 20.804,
266.891

■ 10, 20.804,

266.891

0, 20.804, 266.891

80, 20.804,
266.891

80, 20.804,
266.891

75, 28.625,
268.971

85, 12.979,
265.129

70, 36.444,
271.428

90, 5.165, 263.666

65, 44.277,
274.306

95, 2.625, 82.179

60, 52.165,
277.627

100, 9.164,
108.969

56, 60.173,
281.369

100, 9.278,
109.474

■ 52, 68.373,
285.436

■ 48, 76.792,
289.636

■ 46, 79.696,
290.989

Harmonies

Complementary

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



80, 20.804, 266.891



85, 21.687, 79.246

Rectangle

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



80, 20.804, 266.891



80, 20.804, 316.891



80, 20.804, 86.891



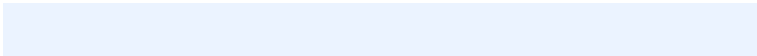
80, 20.804, 136.891

Sweetspot

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



80, 20.803, 266.888



96, 6.637, 263.853



89, 26.251, 164.876



50, 4.717, 264.061



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, 20.803, 266.888



83, 26.576, 267.994



73, 34.288, 295.627



46, 4.405, 264.049



35, 64.032, 290.242



8, 23.302, 282.771

Inverse Universe

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



77, 27.405, 350.314



80, 35.131, 350.993



92, 32.178, 110.486



46, 5.691, 348.480



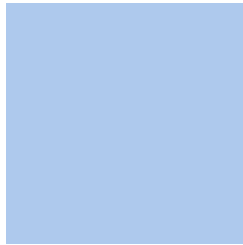
39, 65.337, 8.803



8, 28.086, 0.745

Previews

White Background



This preview shows how the CIELCh color 80, 20.804, 266.891 looks on a white background.

Color Contrast Check

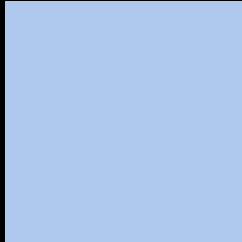
Large Text (above 18pt) WCAG AA × Fail

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, 20.804, 266.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

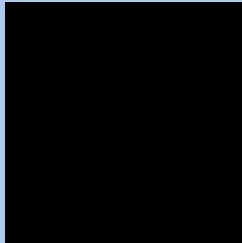
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

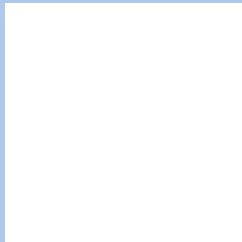
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 20.804, 266.891

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.804, 266.891.



This preview shows how white text looks on a background with the CIELCh color 80, 20.804, 266.891.

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





Tritanopia
80, 14.040, 236.315

Trichromacy



Original Color
80, 20.804, 266.891

Protanomaly
80, 20.066, 279.505

Deuteranomaly
80, 22.462, 286.235

Tritanomaly
80, 15.943, 249.395

Monochromacy



Original Color
80, 20.804, 266.891

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 7.564, 266.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.804, 266.891 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(174, 201, 237)` looks like.

```
.text, #text, p{  
    color:rgb(174, 201, 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(174, 201, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 201, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.804, 266.891 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(174, 201, 237) }
```

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

```
.border{ border-color:rgb(174, 201, 237) }
```

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

Here you see how a box with a 4 pixel rgb(174, 201, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 201, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 201, 237);  
box-shadow:4px 4px 4px 4px rgb(174, 201,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.804, 266.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 201, 237) }
```

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

```
.background{ background-color: rgb(174,  
201, 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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