

Converting Colors

CIELCh(80, 20.774, 262.168)

Have a look what the booklet for
CIELCh(80, 20.774, 262.168)
contains.

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Color

CIELCh(80, 20.529, 261.422)

Conversions

Conversions Part 1

Format	Color
Hex	AACAEC
RGB	170, 202, 236
RGB Percent	67%, 79%, 93%
CMY	0.3343, 0.2088, 0.0755
CMYK	0.28, 0.14, 0.00, 0.08
HSL	211°, 63%, 80%
HSV	211°, 28%, 92%
XYZ	52.6867, 56.6813, 87.3220
YIQ	196.3080, -29.9860, 3.7900

Conversions

Conversions Part 2

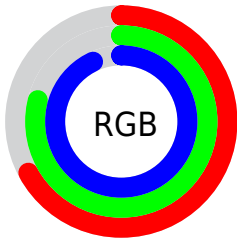
Format	Color
RYB	170, 192, 236
Decimal	11193068
CIELab	80.00, -3.06, -20.30
CIELCh	80, 20.529, 261.422
Yxy	56.6813, 0.2679, 0.2882
Android (android.graphics.Color)	4289383148 (0xFFAACAEC)
YUV	196.3080, 19.5682, -23.0721
Hunter-Lab	75.2870, -6.8358, -16.0669

Details

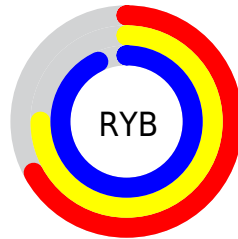
The CIELCh color **80, 20.529, 261.422** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **84, 22.016, 73.481**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.843, 198.851**, and **60, 20.523, 261.212** is the 20% darker color. If you saturate the color by 10%, you get **75, 27.701, 263.557**, and if you desaturate by 10%, it is **85, 13.258, 259.627**.

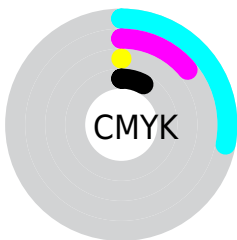
Distribution



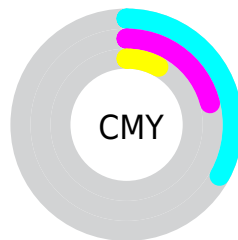
- Red (67%)
- Green (79%)
- Blue (93%)



- Red (67%)
- Yellow (75%)
- Blue (93%)



- Cyan (28%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (33%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 20.529, 261.422 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, 20.529, 261.422 by changing the saturation by 10% instead.

■ 80, 20.529,
261.422

■ 80, 20.529,
261.422

■ 100, 20.529,
261.422

■ 70, 20.529,
261.422

■ 60, 20.529,
261.422

■ 50, 20.529,
261.422

■ 40, 20.529,
261.422

■ 30, 20.529,
261.422

■ 20, 20.529,
261.422

■ 10, 20.529,

261.422

0, 20.529, 261.422

80, 20.529,
261.422

80, 20.529,
261.422

75, 27.701,
263.557

85, 13.258,
259.627

71, 34.765,
266.099

89, 5.914, 258.145

66, 41.726,
269.098

94, 1.478, 76.517

62, 48.621,
272.586

98, 7.579, 96.780

100, 9.749,
109.439

58, 55.524,
276.547

■ 54, 62.536,
280.885

■ 50, 69.755,
285.392

■ 50, 71.242,
286.252

Harmonies

Complementary

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



80, 20.529, 261.422



84, 22.016, 73.481

Rectangle

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



80, 20.529, 261.422



80, 20.529, 311.422



80, 20.529, 81.422



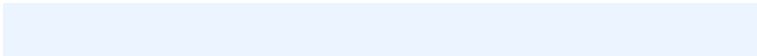
80, 20.529, 131.422

Sweetspot

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



80, 20.528, 261.419



96, 6.308, 258.151



88, 28.947, 161.065



50, 4.480, 258.354



0, 0.000, 0.000



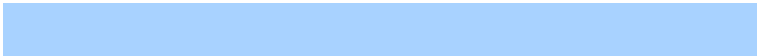
53, 0.007, 296.813

Same Dimension

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



80, 20.528, 261.419



83, 26.482, 262.690



72, 36.013, 293.591



47, 4.184, 258.343



38, 57.464, 285.447



9, 21.131, 277.417

Inverse Universe

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



76, 29.703, 347.105



78, 38.518, 347.822



92, 33.654, 107.456



46, 5.901, 345.231



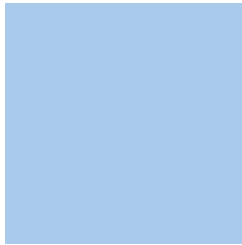
39, 65.405, 3.367



8, 28.472, 356.368

Previews

White Background



This preview shows how the CIELCh color 80, 20.529, 261.422 looks on a white background.

Color Contrast Check

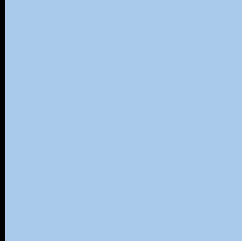
Large Text (above 18pt) WCAG AA × Fail

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, 20.529, 261.422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

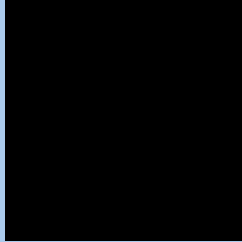
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

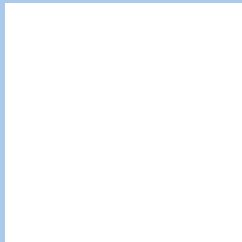
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 20.529, 261.422

Background



This preview shows how black text looks on a background with the CIELCh color 80, 20.529, 261.422.



This preview shows how white text looks on a background with the CIELCh color 80, 20.529, 261.422.

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, 20.529, 261.422

Protanopia

80, 19.239, 286.862

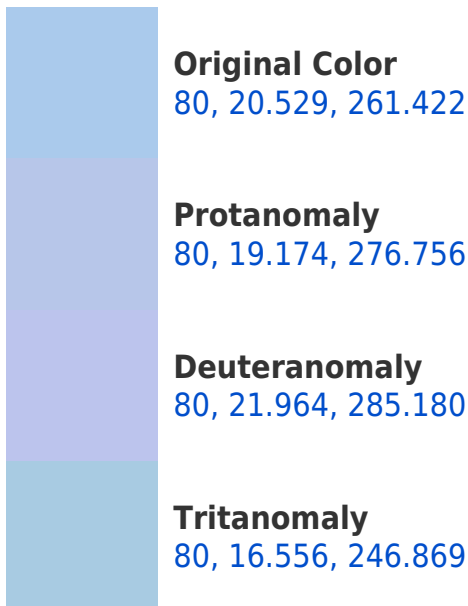
Deuteranopia

80, 23.596, 296.327

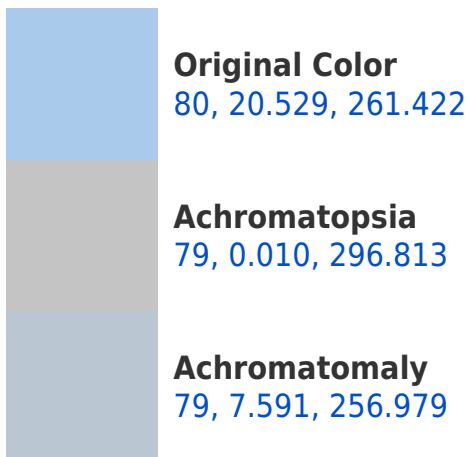


Tritanopia
80, 15.073, 235.834

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 20.529, 261.422 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(170, 202, 236)` looks like.

```
.text, #text, p{  
    color:rgb(170, 202, 236)  
}
```

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(170, 202, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 202, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 20.529, 261.422 is called "border". The border property can be set on classes, ids or directly on the HTML element.

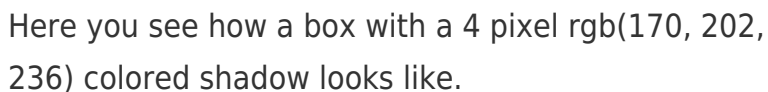
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 202, 236) }
```

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

```
.border{ border-color:rgb(170, 202, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 202, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 202, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 202, 236); box-shadow:4px 4px 4px 4px rgb(170, 202, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 20.529, 261.422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 202, 236) }
```

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

```
.background{ background-color: rgb(170,  
202, 236) }
```

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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