

Converting Colors

CIELCh(80, 42.318, 220.232)

Have a look what the booklet for
CIELCh(80, 42.318, 220.232)
contains.

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Color

CIELCh(80, 42.318, 220.232)

Conversions

Conversions Part 1

Format	Color
Hex	19D9F8
RGB	25, 217, 248
RGB Percent	10%, 85%, 97%
CMY	0.9002, 0.1486, 0.0270
CMYK	0.90, 0.12, 0.00, 0.03
HSL	188°, 94%, 54%
HSV	188°, 90%, 97%
XYZ	42.2148, 56.6813, 97.6174
YIQ	163.1260, -124.3830, -31.0630

Conversions

Conversions Part 2

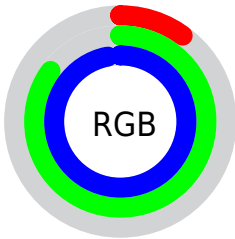
Format	Color
R _Y B	25, 128, 248
Decimal	1694200
CIE Lab	80.00, -32.31, -27.33
CIE LCh	80, 42.318, 220.232
Yxy	56.6813, 0.2148, 0.2884
Android (android.graphics.Color)	4279884280 (0xFF19D9F8)
YUV	163.1260, 41.8429, -121.1365
Hunter-Lab	75.2870, -31.6640, -24.1748

Details

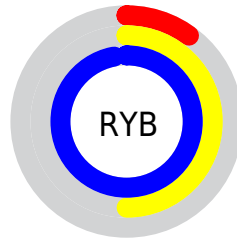
The CIELCh color **80, 42.318, 220.232** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **55, 92.349, 40.858**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **61, 35.180, 226.103** is the 20% darker color. If you saturate the color by 10%, you get **79, 42.762, 222.823**, and if you desaturate by 10%, it is **81, 41.130, 218.091**.

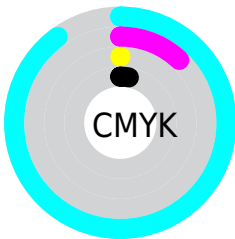
Distribution



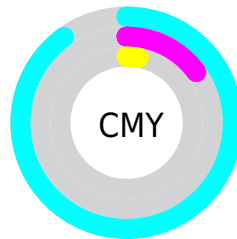
- Red (10%)
- Green (85%)
- Blue (97%)



- Red (10%)
- Yellow (50%)
- Blue (97%)



- Cyan (90%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)





- Cyan (90%)
- Magenta (15%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 42.318, 220.232 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, 42.318, 220.232 by changing the saturation by 10% instead.


 80, 42.318,
220.232


 80, 42.318,
220.232


 100, 42.318,
220.232


 70, 42.318,
220.232

 60, 42.318,
220.232

 50, 42.318,
220.232

 40, 42.318,
220.232

 30, 42.318,
220.232

 20, 42.318,
220.232

 10, 42.318,

220.232

■ 0, 42.318, 220.232

■ 80, 42.318,
220.232

■ 80, 42.318,
220.232

■ 79, 42.762,
222.823

■ 81, 41.130,
218.091

■ 79, 42.771,
222.891

■ 83, 38.995,
216.409

■ 84, 35.857,
215.127

■ 86, 31.735,
214.184

■ 88, 26.704,
213.521

■ 90, 20.872,
213.088

■ 93, 14.364,
212.844

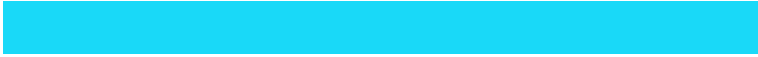
■ 95, 7.303, 212.773

■ 98, 0.193, 29.314

Harmonies

Complementary

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



80, 42.318, 220.232



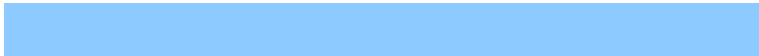
55, 92.349, 40.858

Rectangle

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



80, 42.318, 220.232



80, 42.318, 270.232



80, 42.318, 40.232



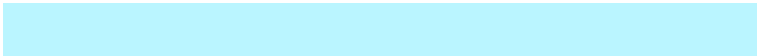
80, 42.318, 90.232

Sweetspot

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



80, 42.317, 220.231



93, 19.573, 213.005



86, 109.269, 138.348



49, 13.015, 213.112



0, 0.000, 0.000



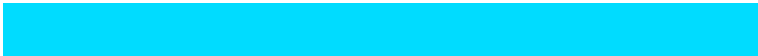
53, 0.007, 296.813

Same Dimension

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



80, 42.317, 220.231



81, 43.665, 222.934



49, 82.230, 291.479



51, 4.287, 212.774



61, 34.845, 222.388



19, 15.880, 218.676

Inverse Universe

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



58, 100.156, 334.096



58, 103.416, 334.827



75, 77.432, 74.614



49, 8.093, 329.036



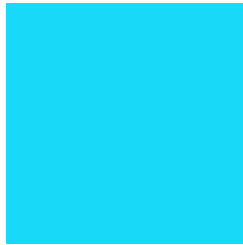
43, 82.630, 334.689



11, 37.898, 333.764

Previews

White Background



This preview shows how the CIE LCh color 80, 42.318, 220.232 looks on a white background.

Color Contrast Check

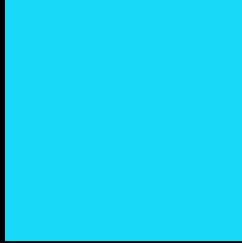
Large Text (above 18pt) WCAG AA × Fail

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, 42.318, 220.232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

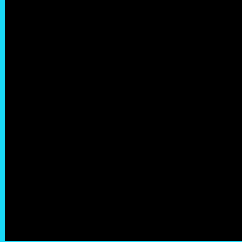
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 42.318, 220.232

Background



This preview shows how black text looks on a background with the CIELCh color 80, 42.318, 220.232.

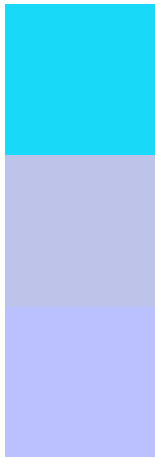


This preview shows how white text looks on a background with the CIELCh color 80, 42.318, 220.232.

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

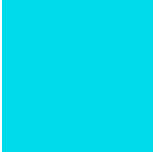
80, 42.318, 220.232

Protanopia

79, 20.341, 286.314

Deuteranopia

79, 32.589, 289.139

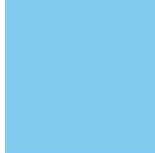


Tritanopia
80, 43.108, 208.945

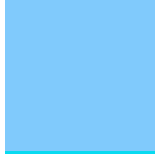
Trichromacy



Original Color
80, 42.318, 220.232



Protanomaly
78, 27.956, 240.692



Deuteranomaly
78, 33.143, 252.869

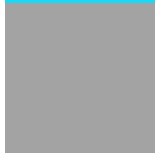


Tritanomaly
80, 42.661, 212.920

Monochromacy



Original Color
80, 42.318, 220.232



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 22.871, 213.152

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 42.318, 220.232 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(25, 217, 248)` looks like.

```
.text, #text, p{  
    color:rgb(25, 217, 248)  
}
```

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(25, 217, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 217, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 42.318, 220.232 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(25, 217, 248) }
```

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

```
.border{ border-color:rgb(25, 217, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 217, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 217, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 217, 248);  
box-shadow:4px 4px 4px 4px rgb(25, 217,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 42.318, 220.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 217, 248) }
```

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

```
.background{ background-color: rgb(25, 217,  
248) }
```

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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