

Converting Colors

CIELCh(82, 31.285, 221.441)

Have a look what the booklet for
CIELCh(82, 31.285, 221.441)
contains.

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Color

CIElCh(82, 31.319, 221.827)

Conversions

Conversions Part 1

Format	Color
Hex	74DAF2
RGB	116, 218, 242
RGB Percent	45%, 85%, 95%
CMY	0.5449, 0.1449, 0.0508
CMYK	0.52, 0.10, 0.00, 0.05
HSL	191°, 83%, 70%
HSV	191°, 52%, 95%
XYZ	48.3276, 60.2982, 93.1351
YIQ	190.2380, -68.4960, -14.1600

Conversions

Conversions Part 2

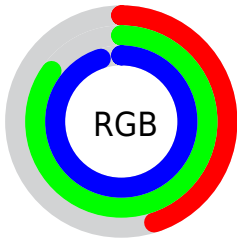
Format	Color
R _Y B	116, 172, 242
Decimal	7658226
CIE Lab	82.00, -23.34, -20.89
CIE LCh	82, 31.319, 221.827
Yxy	60.2982, 0.2395, 0.2989
Android (android.graphics.Color)	4285848306 (0xFF74DAF2)
YUV	190.2380, 25.5187, -65.1067
Hunter-Lab	77.6519, -24.7992, -16.7556

Details

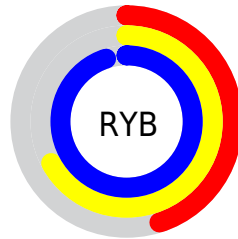
The CIELCh color **82, 31.319, 221.827** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **69, 46.890, 39.193**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.109, 197.869**, and **62, 31.301, 221.846** is the 20% darker color. If you saturate the color by 10%, you get **80, 35.168, 223.398**, and if you desaturate by 10%, it is **84, 26.629, 220.641**.

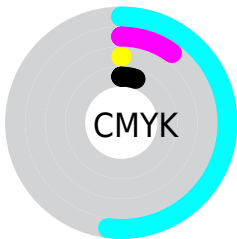
Distribution



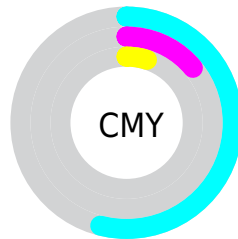
- Red (45%)
- Green (85%)
- Blue (95%)



- Red (45%)
- Yellow (67%)
- Blue (95%)



- Cyan (52%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (54%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 31.319, 221.827 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 82, 31.319, 221.827 by changing the saturation by 10% instead.

■ 82, 31.319,
221.827

■ 82, 31.319,
221.827

■ 100, 31.319,
221.827

■ 72, 31.319,
221.827

■ 62, 31.319,
221.827

■ 52, 31.319,
221.827

■ 42, 31.319,
221.827

■ 32, 31.319,
221.827

■ 22, 31.319,
221.827

■ 12, 31.319,

221.827

■ 2, 31.319, 221.827

■ 0, 31.319, 221.827

■ 82, 31.319,
221.827

■ 82, 31.319,
221.827

■ 80, 35.168,
223.398

■ 84, 26.629,
220.641

■ 78, 38.125,
225.441

■ 87, 21.192,
219.773

■ 76, 40.198,
228.038

■ 89, 15.115,
219.161

■ 75, 41.480,
231.253

■ 92, 8.511, 218.765

■ 73, 42.117,

■ 95, 1.487, 218.839

234.193

97, 3.779, 48.989

99, 4.501, 88.144

100, 6.522,
109.479

100, 6.554,
109.676

Harmonies

Complementary

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



82, 31.319, 221.827



69, 46.890, 39.193

Rectangle

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



82, 31.319, 221.827



82, 31.319, 271.827



82, 31.319, 41.827



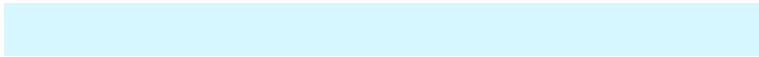
82, 31.319, 91.827

Sweetspot

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



82, 31.318, 221.825



95, 11.654, 218.897



87, 68.593, 145.201



50, 7.820, 218.979



0, 0.000, 0.000



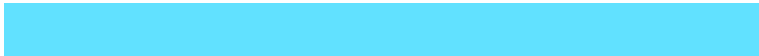
53, 0.007, 296.813

Same Dimension

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



82, 31.318, 221.825



84, 36.626, 223.419



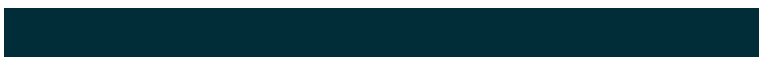
65, 48.456, 282.154



49, 4.008, 218.700



57, 34.188, 233.468



16, 14.850, 227.687

Inverse Universe

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



67, 67.908, 333.660



66, 81.620, 334.406



83, 48.017, 85.511



47, 7.543, 330.758



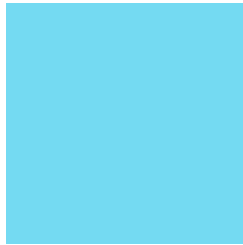
42, 77.878, 337.577



9, 34.684, 336.040

Previews

White Background



This preview shows how the CIE LCh color 82, 31.319, 221.827 looks on a white background.

Color Contrast Check

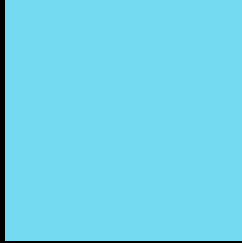
Large Text (above 18pt) WCAG AA × Fail

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 82, 31.319, 221.827 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 82, 31.319, 221.827

Background



This preview shows how black text looks on a background with the CIELCh color 82, 31.319, 221.827.

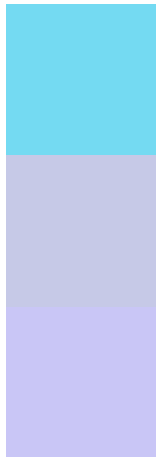


This preview shows how white text looks on a background with the CIELCh color 82, 31.319, 221.827.

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


82, 31.319, 221.827

Protanopia

82, 15.943, 287.890

Deuteranopia

82, 25.558, 294.610

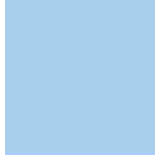


Tritanopia
82, 31.392, 215.356

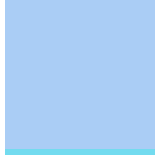
Trichromacy



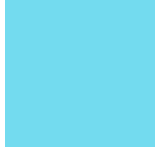
Original Color
82, 31.319, 221.827



Protanomaly
81, 19.148, 250.103



Deuteranomaly
81, 23.583, 263.891

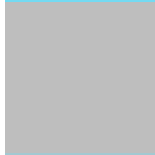


Tritanomaly
82, 31.330, 217.501

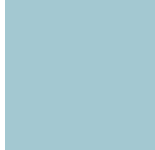
Monochromacy



Original Color
82, 31.319, 221.827



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 13.366, 219.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 31.319, 221.827 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(116, 218, 242)` looks like.

```
.text, #text, p{  
    color:rgb(116, 218, 242)  
}
```

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(116, 218, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 218, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 31.319, 221.827 is called "border". The border property can be set on classes, ids or directly on the HTML element.

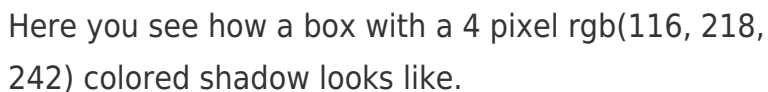
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 218, 242) }
```

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

```
.border{ border-color:rgb(116, 218, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 218, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 218, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 218, 242);  
box-shadow:4px 4px 4px 4px rgb(116, 218,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 31.319, 221.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 218, 242) }
```

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

```
.background{ background-color: rgb(116,  
218, 242) }
```

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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