

Converting Colors

CIELCh(78, 31.949, 219.910)

Have a look what the booklet for
CIELCh(78, 31.949, 219.910)
contains.

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Color

CIELCh(78, 31.987, 220.375)

Conversions

Conversions Part 1

Format	Color
Hex	64CFE6
RGB	100, 207, 230
RGB Percent	39%, 81%, 90%
CMY	0.6066, 0.1872, 0.0970
CMYK	0.56, 0.10, 0.00, 0.10
HSL	191°, 72%, 65%
HSV	191°, 56%, 90%
XYZ	41.9888, 53.2120, 83.1238
YIQ	177.6290, -71.1550, -15.5310

Conversions

Conversions Part 2

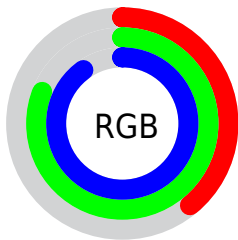
Format	Color
RYB	100, 159, 230
Decimal	6606822
CIELab	78.00, -24.37, -20.72
CIELCh	78, 31.987, 220.375
Yxy	53.2120, 0.2355, 0.2984
Android (android.graphics.Color)	4284796902 (0xFF64CFE6)
YUV	177.6290, 25.8189, -68.0806
Hunter-Lab	72.9466, -24.9101, -16.4994

Details

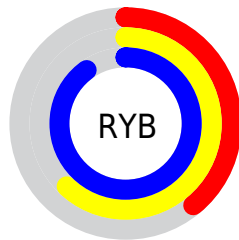
The CIELCh color **78, 31.987, 220.375** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **63, 50.029, 38.437**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.391, 197.607**, and **58, 31.925, 220.388** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.298, 221.970**, and if you desaturate by 10%, it is **80, 27.823, 219.171**.

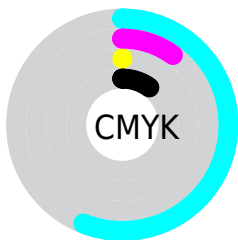
Distribution



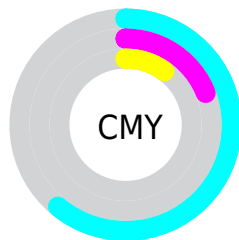
- Red (39%)
- Green (81%)
- Blue (90%)



- Red (39%)
- Yellow (62%)
- Blue (90%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)





- Cyan (61%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 31.987, 220.375 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 78, 31.987, 220.375 by changing the saturation by 10% instead.


 78, 31.987,
220.375


 78, 31.987,
220.375


 100, 31.987,
220.375


 68, 31.987,
220.375


 98, 31.987,
220.375

 58, 31.987,
220.375

 48, 31.987,
220.375

 38, 31.987,
220.375

 28, 31.987,
220.375

 18, 31.987,
220.375

 8, 31.987, 220.375

0, 31.987, 220.375

78, 31.987,
220.375

78, 31.987,
220.375

76, 35.298,
221.970

80, 27.823,
219.171

74, 37.725,
224.038

82, 22.885,
218.289

73, 39.302,
226.652

85, 17.273,
217.669

72, 40.154,
229.858

87, 11.098,
217.263

71, 40.379,
231.081

90, 4.467, 217.079

92, 2.520, 36.560

95, 7.507, 41.861

■ 96, 7.344, 61.449

■ 97, 8.024, 79.672

Harmonies

Complementary

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



78, 31.987, 220.375



63, 50.029, 38.437

Rectangle

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



78, 31.987, 220.375



78, 31.987, 270.375



78, 31.987, 40.375



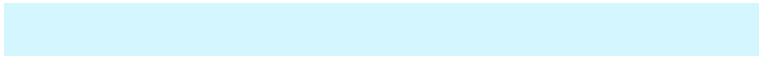
78, 31.987, 90.375

Sweetspot

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



78, 31.986, 220.374



95, 12.440, 217.284



82, 71.719, 144.122



50, 8.269, 217.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 31.986, 220.374



83, 38.710, 222.332



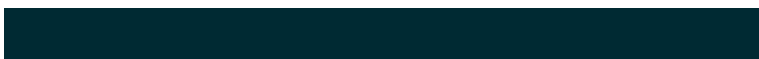
60, 49.507, 282.135



47, 3.898, 217.102



56, 33.354, 230.438



15, 13.997, 224.520

Inverse Universe

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



62, 70.498, 333.425



64, 87.897, 334.279



78, 49.482, 83.521



45, 7.348, 330.289



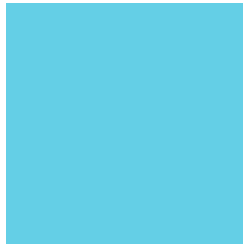
41, 77.066, 336.762



8, 33.015, 335.227

Previews

White Background



This preview shows how the CIE LCh color 78, 31.987, 220.375 looks on a white background.

Color Contrast Check

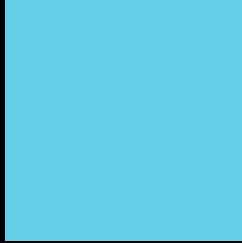
Large Text (above 18pt) WCAG AA × Fail

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 78, 31.987, 220.375 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 78, 31.987, 220.375

Background



This preview shows how black text looks on a background with the CIELCh color 78, 31.987, 220.375.



This preview shows how white text looks on a background with the CIELCh color 78, 31.987, 220.375.

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
78, 31.987, 220.375

Protanopia
78, 15.575, 287.794

Deuteranopia
78, 25.241, 293.202



Tritanopia
78, 32.134, 213.977

Trichromacy



Original Color
78, 31.987, 220.375



Protanomaly
77, 19.292, 247.774



Deuteranomaly
77, 23.263, 260.705

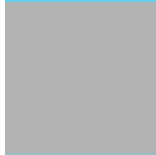


Tritanomaly
78, 32.050, 216.093

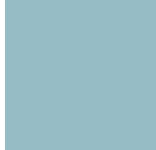
Monochromacy



Original Color
78, 31.987, 220.375



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 13.919, 216.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 31.987, 220.375 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(100, 207, 230)` looks like.

```
.text, #text, p{  
    color:rgb(100, 207, 230)  
}
```

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(100, 207, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 207, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 31.987, 220.375 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(100, 207, 230) }
```

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

```
.border{ border-color:rgb(100, 207, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 207, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 207, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 207, 230);  
box-shadow:4px 4px 4px 4px rgb(100, 207,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 31.987, 220.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 207, 230) }
```

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

```
.background{ background-color: rgb(100,  
207, 230) }
```

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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