

Converting Colors

CIELCh(78, 22.588, 220.216)

Have a look what the booklet for
CIELCh(78, 22.588, 220.216)
contains.

CIELCh(78, 22.547, 220.542)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(78, 22.547, 220.542)

Conversions

Conversions Part 1

Format	Color
Hex	88CBDB
RGB	136, 203, 219
RGB Percent	53%, 80%, 86%
CMY	0.4657, 0.2029, 0.1402
CMYK	0.38, 0.07, 0.00, 0.14
HSL	192°, 54%, 70%
HSV	192°, 38%, 86%
XYZ	44.4275, 53.2120, 75.1210
YIQ	184.7910, -45.0680, -9.2280

Conversions

Conversions Part 2

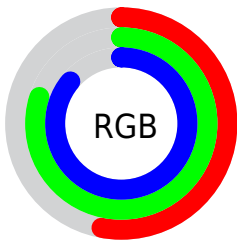
Format	Color
RYB	136, 173, 219
Decimal	8965083
CIELab	78.00, -17.13, -14.66
CIElCh	78, 22.547, 220.542
Yxy	53.2120, 0.2572, 0.3080
Android (android.graphics.Color)	4287155163 (0xFF88CBDB)
YUV	184.7910, 16.8650, -42.7897
Hunter-Lab	72.9466, -18.9425, -9.9948

Details

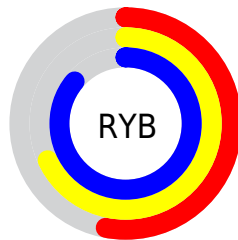
The CIELCh color **78, 22.547, 220.542** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69, 29.642, 38.691**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **58, 22.606, 220.040** is the 20% darker color. If you saturate the color by 10%, you get **76, 27.192, 221.588**, and if you desaturate by 10%, it is **80, 17.260, 219.777**.

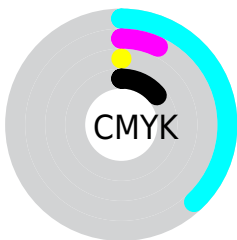
Distribution



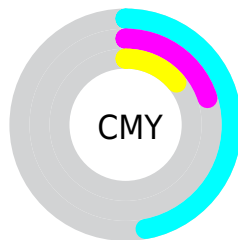
- Red (53%)
- Green (80%)
- Blue (86%)



- Red (53%)
- Yellow (68%)
- Blue (86%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)





- Cyan (47%)
- Magenta (20%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 22.547, 220.542 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, 22.547, 220.542 by changing the saturation by 10% instead.


 78, 22.547,
220.542

 78, 22.547,
220.542


 100, 22.547,
220.542


 68, 22.547,
220.542


 98, 22.547,
220.542

 58, 22.547,
220.542

 48, 22.547,
220.542

 38, 22.547,
220.542

 28, 22.547,
220.542

 18, 22.547,
220.542

 8, 22.547, 220.542

0, 22.547, 220.542

78, 22.547,
220.542

78, 22.547,
220.542

76, 27.192,
221.588

80, 17.260,
219.777

74, 31.103,
222.991

83, 11.435,
219.250

72, 34.216,
224.827

85, 5.171, 218.943

70, 36.510,
227.178

88, 1.439, 38.195

69, 38.033,
230.121

91, 8.314, 38.407

67, 38.937,
233.671

94, 10.753, 60.072

■ 67, 39.109,
234.462

■ 95, 11.267, 73.468

■ 96, 12.331, 85.079

Harmonies

Complementary

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



78, 22.547, 220.542



69, 29.642, 38.691

Rectangle

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



78, 22.547, 220.542



78, 22.547, 270.542



78, 22.547, 40.542



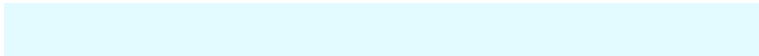
78, 22.547, 90.542

Sweetspot

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



78, 22.547, 220.539



97, 8.115, 219.013



81, 46.844, 146.902



51, 5.433, 219.053



0, 0.000, 0.000



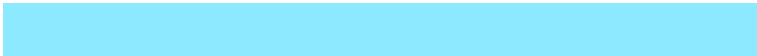
53, 0.007, 296.813

Same Dimension

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



78, 22.547, 220.539



87, 29.262, 221.298



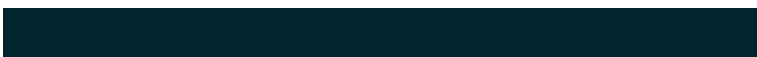
67, 32.049, 278.642



45, 3.722, 218.973



54, 32.787, 233.795



13, 13.097, 226.581

Inverse Universe

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



67, 46.654, 332.729



74, 62.058, 333.254



79, 32.021, 87.536



43, 6.999, 330.832



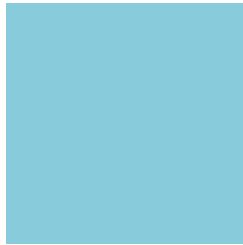
39, 74.562, 337.666



6, 30.172, 335.712

Previews

White Background



This preview shows how the CIELCh color 78, 22.547, 220.542 looks on a white background.

Color Contrast Check

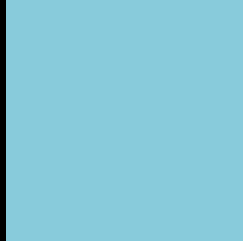
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 78, 22.547, 220.542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

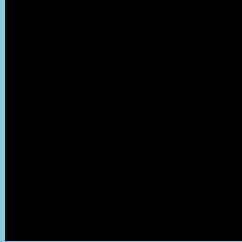
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 22.547, 220.542

Background



This preview shows how black text looks on a background with the CIELCh color 78, 22.547, 220.542.



This preview shows how white text looks on a background with the CIELCh color 78, 22.547, 220.542.

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](#).

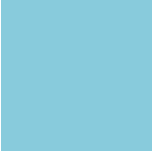
Dichromacy



Original Color
78, 22.547, 220.542

Protanopia
78, 10.725, 289.279

Deuteranopia
78, 19.642, 301.012



Tritanopia
78, 22.682, 221.896

Trichromacy



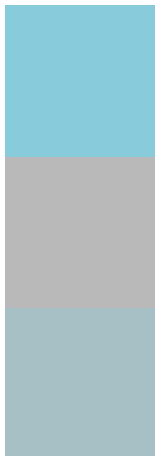
Original Color
78, 22.547, 220.542

Protanomaly
78, 13.073, 250.456

Deuteranomaly
78, 16.629, 269.012

Tritanomaly
78, 22.682, 221.896

Monochromacy



Original Color
78, 22.547, 220.542

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 9.149, 215.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 22.547, 220.542 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(136, 203, 219)` looks like.

```
.text, #text, p{  
    color:rgb(136, 203, 219)  
}
```

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(136, 203, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 203, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 22.547, 220.542 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(136, 203, 219) }
```

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

```
.border{ border-color:rgb(136, 203, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 203, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 203, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 203, 219); box-shadow:4px 4px 4px 4px rgb(136, 203, 219) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 22.547, 220.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 203, 219) }
```

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

```
.background{ background-color: rgb(136,  
203, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor