

Converting Colors

CIELCh(77, 21.052, 222.411)

Have a look what the booklet for
CIELCh(77, 21.052, 222.411)
contains.

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Color

CIELCh(77, 21.047, 222.396)

Conversions

Conversions Part 1

Format	Color
Hex	8BC8D8
RGB	139, 200, 216
RGB Percent	55%, 78%, 85%
CMY	0.4563, 0.2171, 0.1544
CMYK	0.36, 0.07, 0.00, 0.15
HSL	192°, 49%, 69%
HSV	192°, 36%, 85%
XYZ	43.5000, 51.5317, 72.3642
YIQ	183.5850, -41.4920, -7.9560

Conversions

Conversions Part 2

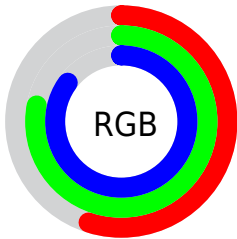
Format	Color
RYB	139, 173, 216
Decimal	9160920
CIELab	77.00, -15.54, -14.19
CIElCh	77, 21.047, 222.396
Yxy	51.5317, 0.2599, 0.3078
Android (android.graphics.Color)	4287351000 (0xFF8BC8D8)
YUV	183.5850, 15.9806, -39.1010
Hunter-Lab	71.7856, -17.4591, -9.5179

Details

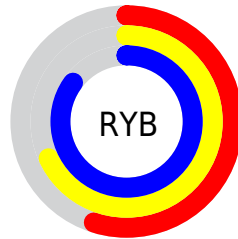
The CIELCh color `77, 21.047, 222.396` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `69, 27.089, 40.074`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `96, 19.614, 198.212`, and `57, 21.000, 222.055` is the 20% darker color. If you saturate the color by 10%, you get `75, 25.772, 223.492`, and if you desaturate by 10%, it is `79, 15.727, 221.584`.

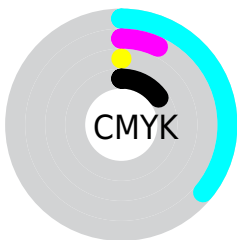
Distribution



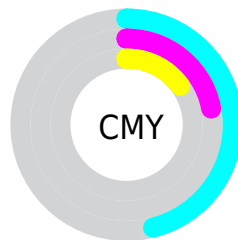
- Red (55%)
- Green (78%)
- Blue (85%)



- Red (55%)
- Yellow (68%)
- Blue (85%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (46%)
- Magenta (22%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 21.047, 222.396 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 77, 21.047, 222.396 by changing the saturation by 10% instead.

 77, 21.047,
222.396

 77, 21.047,
222.396


 100, 21.047,
222.396


 67, 21.047,
222.396


 97, 21.047,
222.396


 57, 21.047,
222.396

 47, 21.047,
222.396

 37, 21.047,
222.396

 27, 21.047,
222.396

 17, 21.047,
222.396

 7, 21.047, 222.396

■ 0, 21.047, 222.396

■ 77, 21.047,
222.396

■ 77, 21.047,
222.396

■ 75, 25.772,
223.492

■ 79, 15.727,
221.584

■ 73, 29.814,
224.952

■ 82, 9.911, 221.015

■ 71, 33.102,
226.853

■ 85, 3.695, 220.700

■ 87, 2.836, 40.070

■ 69, 35.611,
229.283

■ 90, 9.606, 40.047

■ 67, 37.376,
232.321

■ 92, 11.990, 47.766

■ 93, 11.922, 61.120

■ 66, 38.516,
236.012

■ 94, 12.495, 73.887

■ 65, 38.925,
237.709

■ 95, 13.624, 84.991

Harmonies

Complementary

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



77, 21.047, 222.396



69, 27.089, 40.074

Rectangle

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



77, 21.047, 222.396



77, 21.047, 272.396



77, 21.047, 42.396



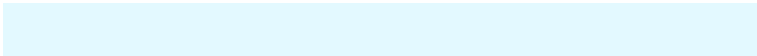
77, 21.047, 92.396

Sweetspot

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



77, 21.047, 222.393



97, 8.054, 220.829



80, 43.118, 147.680



51, 5.392, 220.879



0, 0.000, 0.000



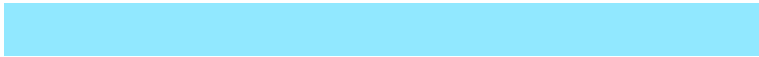
53, 0.007, 296.813

Same Dimension

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



77, 21.047, 222.393



88, 28.085, 223.211



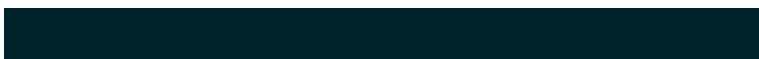
67, 30.393, 279.382



44, 3.623, 220.775



52, 32.660, 236.991



12, 12.651, 228.759

Inverse Universe

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



67, 43.051, 333.143



74, 58.895, 333.693



79, 30.166, 89.143



42, 6.793, 331.360



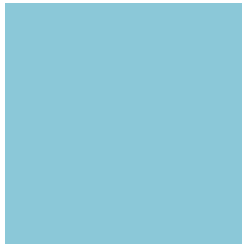
39, 72.951, 338.558



6, 28.283, 336.244

Previews

White Background



This preview shows how the CIELCh color 77, 21.047, 222.396 looks on a white background.

Color Contrast Check

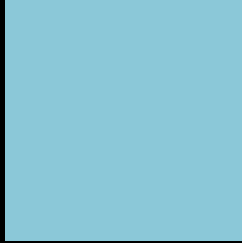
Large Text (above 18pt) WCAG AA × Fail

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 77, 21.047, 222.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

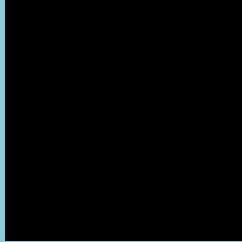
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

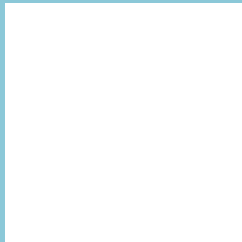
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 21.047, 222.396

Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.047, 222.396.

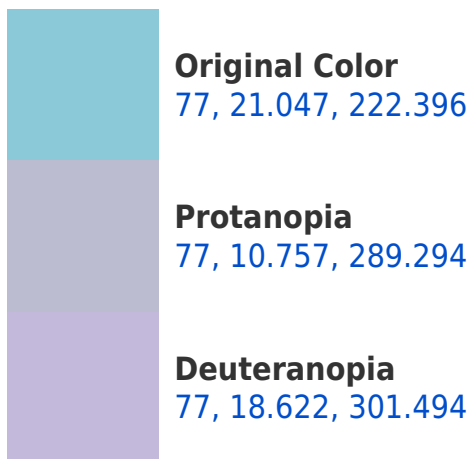


This preview shows how white text looks on a background with the CIELCh color 77, 21.047, 222.396.

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





Tritanopia
77, 21.047, 222.396

Trichromacy



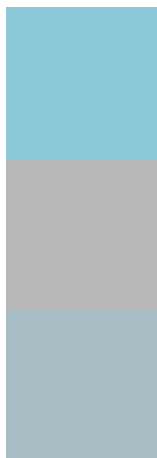
Original Color
77, 21.047, 222.396

Protanomaly
77, 12.704, 252.827

Deuteranomaly
77, 15.851, 271.558

Tritanomaly
77, 21.047, 222.396

Monochromacy



Original Color
77, 21.047, 222.396

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 8.360, 221.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 21.047, 222.396 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(139, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(139, 200, 216)  
}
```

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(139, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 200, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 21.047, 222.396 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(139, 200, 216) }
```

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

```
.border{ border-color:rgb(139, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(139, 200,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 21.047, 222.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 200, 216) }
```

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

```
.background{ background-color: rgb(139,  
200, 216) }
```

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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