

Converting Colors

CIELCh(87, 22.548, 221.412)

Have a look what the booklet for
CIELCh(87, 22.548, 221.412)
contains.

CIELCh(87, 22.316, 221.851)	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(87, 22.316, 221.851)

Conversions

Conversions Part 1

Format	Color
Hex	A2E4F5
RGB	162, 228, 245
RGB Percent	64%, 89%, 96%
CMY	0.3634, 0.1045, 0.0378
CMYK	0.34, 0.07, 0.00, 0.04
HSL	192°, 81%, 80%
HSV	192°, 34%, 96%
XYZ	59.3413, 70.0064, 97.0500
YIQ	210.2040, -44.7930, -8.7050

Conversions

Conversions Part 2

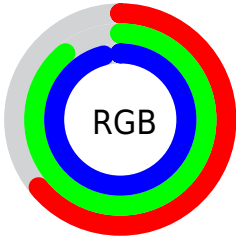
Format	Color
RYB	162, 199, 245
Decimal	10675445
CIELab	87.00, -16.62, -14.89
CIELCh	87, 22.316, 221.851
Yxy	70.0064, 0.2621, 0.3092
Android (android.graphics.Color)	4288865525 (0xFFA2E4F5)
YUV	210.2040, 17.1544, -42.2749
Hunter-Lab	83.6698, -19.8242, -10.2025

Details

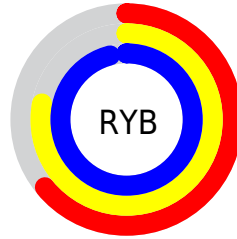
The CIELCh color **87, 22.316, 221.851** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **79, 28.360, 39.761**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 12.126, 198.696**, and **67, 22.262, 223.105** is the 20% darker color. If you saturate the color by 10%, you get **84, 27.676, 222.882**, and if you desaturate by 10%, it is **90, 16.305, 221.095**.

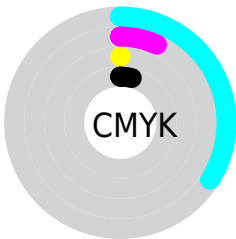
Distribution



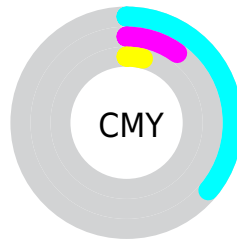
- Red (64%)
- Green (89%)
- Blue (96%)



- Red (64%)
- Yellow (78%)
- Blue (96%)



- Cyan (34%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)





- Cyan (36%)
- Magenta (10%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 22.316, 221.851 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 87, 22.316, 221.851 by changing the saturation by 10% instead.


 87, 22.316,
221.851


 87, 22.316,
221.851


 100, 22.316,
221.851


 77, 22.316,
221.851

 67, 22.316,
221.851

 57, 22.316,
221.851

 47, 22.316,
221.851

 37, 22.316,
221.851

 27, 22.316,
221.851

 17, 22.316,

221.851

■ 7, 22.316, 221.851

■ 0, 22.316, 221.851

■ 87, 22.316,
221.851

■ 87, 22.316,
221.851

■ 84, 27.676,
222.882

■ 90, 16.305,
221.095

■ 82, 32.280,
224.266

■ 93, 9.756, 220.578

■ 80, 36.046,
226.080

■ 95, 2.773, 220.369

■ 78, 38.935,
228.412

■ 98, 2.788, 53.685

■ 76, 40.973,

■ 99, 4.143, 102.354

■ 100, 4.882,

231.346

109.797

■ 74, 42.281,
234.935

■ 73, 42.869,
237.406

Harmonies

Complementary

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



87, 22.316, 221.851



79, 28.360, 39.761

Rectangle

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



87, 22.316, 221.851



87, 22.316, 271.851



87, 22.316, 41.851



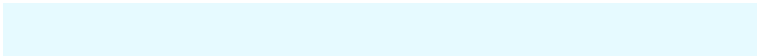
87, 22.316, 91.851

Sweetspot

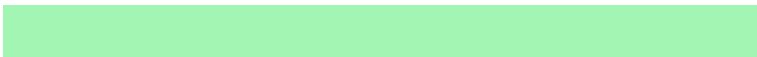
The Sweet Spot groups the original color and five complimentary colors.



87, 22.316, 221.847



97, 7.351, 220.442



90, 45.413, 147.845



51, 4.997, 220.487



0, 0.000, 0.000



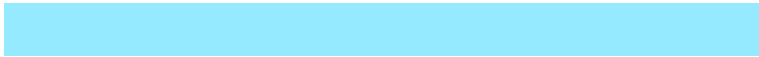
53, 0.007, 296.813

Same Dimension

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



87, 22.316, 221.847



88, 27.053, 222.566



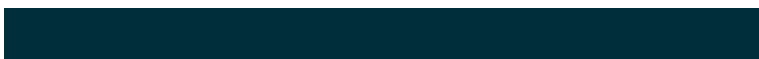
76, 31.927, 279.051



50, 4.047, 220.426



57, 34.773, 236.640



17, 15.303, 230.721

Inverse Universe

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



77, 45.443, 332.918



76, 56.424, 333.434



89, 31.710, 89.360



48, 7.597, 331.265



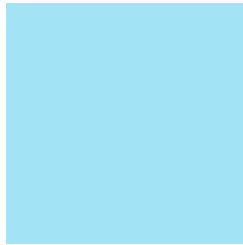
42, 77.835, 338.458



10, 35.314, 336.837

Previews

White Background



This preview shows how the CIE LCh color 87, 22.316, 221.851 looks on a white background.

Color Contrast Check

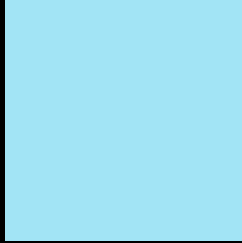
Large Text (above 18pt) WCAG AA × Fail

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 87, 22.316, 221.851 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 87, 22.316, 221.851

Background



This preview shows how black text looks on a background with the CIELCh color 87, 22.316, 221.851.

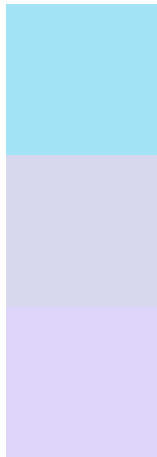


This preview shows how white text looks on a background with the CIELCh color 87, 22.316, 221.851.

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
87, 22.316, 221.851

Protanopia
87, 11.006, 289.302

Deuteranopia
87, 19.836, 302.627

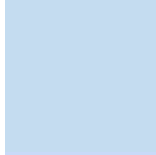


Tritanopia
87, 22.214, 223.485

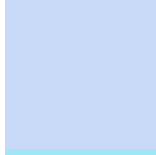
Trichromacy



Original Color
87, 22.316, 221.851



Protanomaly
87, 13.030, 252.857

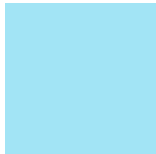


Deuteranomaly
87, 16.551, 271.539

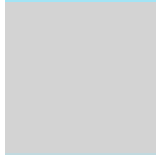


Tritanomaly
87, 22.214, 223.485

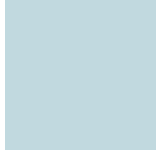
Monochromacy



Original Color
87, 22.316, 221.851



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 8.812, 219.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 22.316, 221.851 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(162, 228, 245)` looks like.

```
.text, #text, p{  
    color:rgb(162, 228, 245)  
}
```

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(162, 228, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 228, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 22.316, 221.851 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(162, 228, 245) }
```

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

```
.border{ border-color:rgb(162, 228, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 228, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 228, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 228, 245);  
box-shadow:4px 4px 4px 4px rgb(162, 228,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 22.316, 221.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 228, 245) }
```

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

```
.background{ background-color: rgb(162,  
228, 245) }
```

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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