

Converting Colors

CIELCh(87, 20.892, 216.279)

Have a look what the booklet for
CIELCh(87, 20.892, 216.279)
contains.

CIELCh(87, 20.762, 217.461)	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, 20.762, 217.461)

Conversions

Conversions Part 1

Format	Color
Hex	A6E4F1
RGB	166, 228, 241
RGB Percent	65%, 89%, 95%
CMY	0.3487, 0.1055, 0.0546
CMYK	0.31, 0.05, 0.00, 0.05
HSL	190°, 73%, 80%
HSV	190°, 31%, 95%
XYZ	59.4008, 70.0064, 93.6695
YIQ	210.9440, -41.1250, -9.1010

Conversions

Conversions Part 2

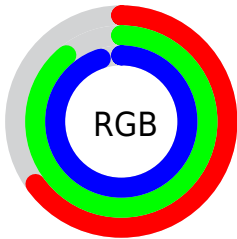
Format	Color
R _Y B	166, 200, 241
Decimal	10937585
CIE Lab	87.00, -16.48, -12.63
CIE LCh	87, 20.762, 217.461
Yxy	70.0064, 0.2663, 0.3138
Android (android.graphics.Color)	4289127665 (0xFFA6E4F1)
YUV	210.9440, 14.8176, -39.4159
Hunter-Lab	83.6698, -19.6975, -7.8071

Details

The CIELCh color `87, 20.762, 217.461` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `78, 25.917, 36.626`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 10.827, 198.783`, and `67, 20.761, 218.346` is the 20% darker color. If you saturate the color by 10%, you get `85, 26.275, 218.169`, and if you desaturate by 10%, it is `89, 14.605, 216.976`.

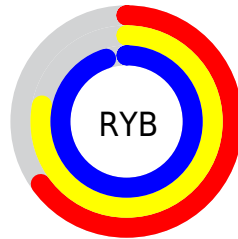
Distribution



Red (65%)

Green (89%)

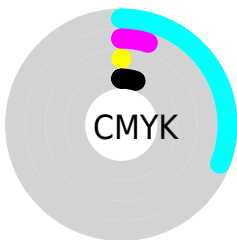
Blue (95%)



Red (65%)

Yellow (78%)

Blue (95%)

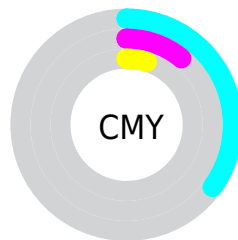


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (11%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 20.762, 217.461 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, 20.762, 217.461 by changing the saturation by 10% instead.

■ 87, 20.762,
217.461

■ 87, 20.762,
217.461

■ 100, 20.762,
217.461

■ 77, 20.762,
217.461

■ 67, 20.762,
217.461

■ 57, 20.762,
217.461

■ 47, 20.762,
217.461

■ 37, 20.762,
217.461

■ 27, 20.762,
217.461

■ 17, 20.762,

217.461

■ 7, 20.762, 217.461

■ 0, 20.762, 217.461

■ 87, 20.762,
217.461

■ 87, 20.762,
217.461

■ 85, 26.275,
218.169

■ 89, 14.605,
216.976

■ 83, 31.030,
219.166

■ 92, 7.918, 216.696

■ 81, 34.930,
220.512

■ 95, 0.812, 217.215

■ 79, 37.914,
222.284

■ 97, 4.083, 47.057

■ 77, 39.979,

■ 98, 4.529, 81.572

■ 99, 6.145, 103.578

224.558

100, 7.041,
109.640

76, 41.200,
227.399

74, 41.776,
230.365

Harmonies

Complementary

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



87, 20.762, 217.461



78, 25.917, 36.626

Rectangle

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



87, 20.762, 217.461



87, 20.762, 267.461



87, 20.762, 37.461



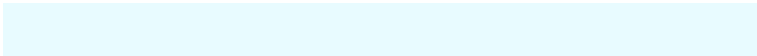
87, 20.762, 87.461

Sweetspot

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



87, 20.762, 217.457



97, 6.750, 216.666



89, 42.237, 147.026



52, 4.673, 216.686



0, 0.000, 0.000



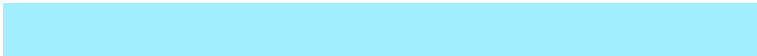
53, 0.007, 296.813

Same Dimension

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



87, 20.762, 217.457



90, 25.203, 217.853



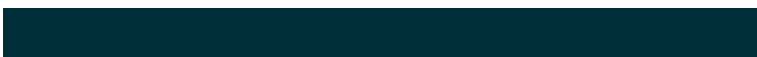
77, 27.694, 276.024



49, 4.048, 216.672



58, 34.042, 229.712



17, 14.869, 224.482

Inverse Universe

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



77, 42.162, 331.573



78, 52.258, 331.972



87, 27.883, 87.082



47, 7.635, 330.166



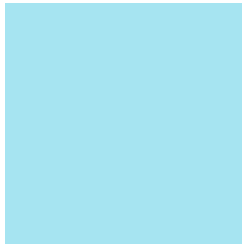
42, 78.892, 336.570



9, 35.079, 335.218

Previews

White Background



This preview shows how the CIELCh color 87, 20.762, 217.461 looks on a white background.

Color Contrast Check

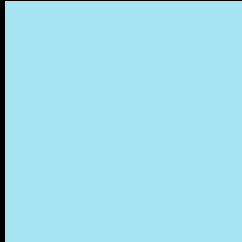
Large Text (above 18pt) WCAG AA × Fail

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, 20.762, 217.461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

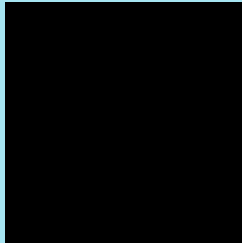
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 20.762, 217.461

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.762, 217.461.



This preview shows how white text looks on a background with the CIELCh color 87, 20.762, 217.461.

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



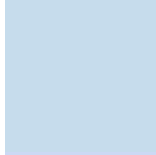


Tritanopia
87, 21.140, 226.576

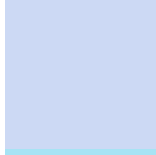
Trichromacy



Original Color
87, 20.762, 217.461



Protanomaly
87, 11.072, 248.482

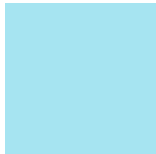


Deuteranomaly
87, 14.705, 274.075

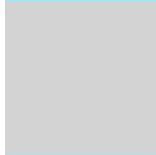


Tritanomaly
87, 20.788, 223.811

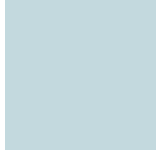
Monochromacy



Original Color
87, 20.762, 217.461



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 8.029, 218.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.762, 217.461 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(166, 228, 241)` looks like.

```
.text, #text, p{  
    color:rgb(166, 228, 241)  
}
```

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(166, 228, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 228, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.762, 217.461 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(166, 228, 241) }
```

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

```
.border{ border-color:rgb(166, 228, 241) }
```

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

Here you see how a box with a 4 pixel rgb(166, 228, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 228, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 228, 241);  
box-shadow:4px 4px 4px 4px rgb(166, 228,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.762, 217.461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 228, 241) }
```

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

```
.background{ background-color: rgb(166,  
228, 241) }
```

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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