

Converting Colors

CIELCh(87, 28.678, 200.917)

Have a look what the booklet for
CIELCh(87, 28.678, 200.917)
contains.

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Color

CIELCh(87, 28.721, 200.708)

Conversions

Conversions Part 1

Format	Color
Hex	8CE9EC
RGB	140, 233, 236
RGB Percent	55%, 91%, 93%
CMY	0.4504, 0.0857, 0.0740
CMYK	0.41, 0.01, 0.00, 0.07
HSL	182°, 72%, 74%
HSV	182°, 41%, 93%
XYZ	55.1759, 70.0064, 90.0648
YIQ	205.5350, -56.3910, -18.7830

Conversions

Conversions Part 2

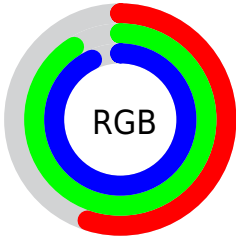
Format	Color
RYB	140, 187, 236
Decimal	9234924
CIELab	87.00, -26.87, -10.16
CIElCh	87, 28.721, 200.708
Yxy	70.0064, 0.2563, 0.3252
Android (android.graphics.Color)	4287425004 (0xFF8CE9EC)
YUV	205.5350, 15.0192, -57.4742
Hunter-Lab	83.6698, -28.7108, -5.2527

Details

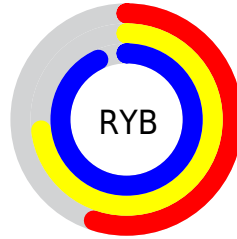
The CIELCh color **87, 28.721, 200.708** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **69, 38.647, 25.597**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 18.709, 198.269**, and **67, 28.794, 200.461** is the 20% darker color. If you saturate the color by 10%, you get **86, 33.944, 200.555**, and if you desaturate by 10%, it is **88, 22.639, 200.950**.

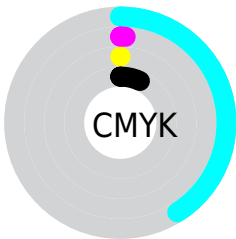
Distribution



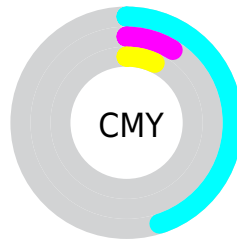
- Red (55%)
- Green (91%)
- Blue (93%)



- Red (55%)
- Yellow (73%)
- Blue (93%)



- Cyan (41%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)




- Cyan (45%)
- Magenta (9%)
- Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 28.721, 200.708 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, 28.721, 200.708 by changing the saturation by 10% instead.

 87, 28.721,
200.708

 87, 28.721,
200.708


 100, 28.721,
200.708


 77, 28.721,
200.708

 67, 28.721,
200.708

 57, 28.721,
200.708

 47, 28.721,
200.708

 37, 28.721,
200.708

 27, 28.721,
200.708

 17, 28.721,

200.708

■ 7, 28.721, 200.708

■ 0, 28.721, 200.708

■ 87, 28.721,
200.708

■ 87, 28.721,
200.708

■ 86, 33.944,
200.555

■ 88, 22.639,
200.950

■ 85, 38.205,
200.510

■ 90, 15.825,
201.279

■ 84, 41.436,
200.582

■ 91, 8.411, 201.698

■ 84, 43.626,
200.777

■ 93, 0.527, 203.252

■ 95, 6.538, 22.836

■ 83, 44.833,

201.099

95, 6.304, 26.359

83, 45.261,
201.502

95, 6.095, 30.138

96, 5.916, 34.164

96, 5.767, 38.420

Harmonies

Complementary

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



87, 28.721, 200.708



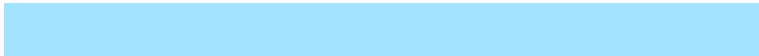
69, 38.647, 25.597

Rectangle

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



87, 28.721, 200.708



87, 28.721, 250.708



87, 28.721, 20.708



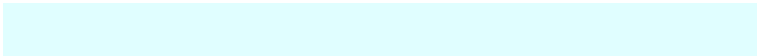
87, 28.721, 70.708

Sweetspot

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



87, 28.721, 200.705



98, 10.045, 201.632



86, 59.869, 141.743



52, 6.638, 201.573



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, 28.721, 200.705



92, 35.236, 200.571



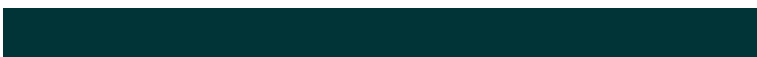
74, 29.686, 264.364



48, 4.476, 201.756



65, 37.120, 201.412



19, 15.991, 200.647

Inverse Universe

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



71, 59.152, 327.515



72, 74.726, 327.941



80, 32.959, 71.996



46, 8.280, 325.790



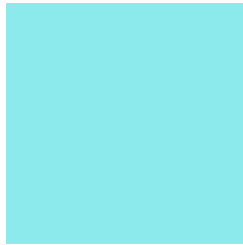
43, 87.208, 329.510



9, 37.478, 329.318

Previews

White Background



This preview shows how the CIE LCh color 87, 28.721, 200.708 looks on a white background.

Color Contrast Check

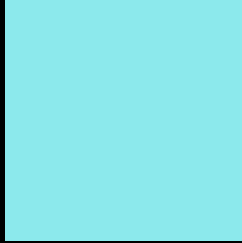
Large Text (above 18pt) WCAG AA × Fail

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, 28.721, 200.708 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, 28.721, 200.708

Background



This preview shows how black text looks on a background with the CIELCh color 87, 28.721, 200.708.

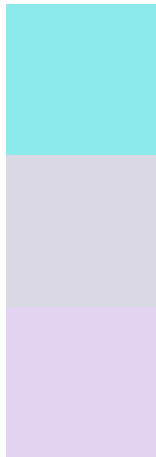


This preview shows how white text looks on a background with the CIELCh color 87, 28.721, 200.708.

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, 28.721, 200.708

Protanopia
87, 4.785, 299.107

Deuteranopia
87, 16.768, 310.768

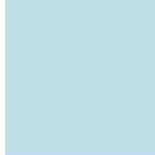


Tritanopia
87, 27.645, 219.111

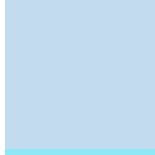
Trichromacy



Original Color
87, 28.721, 200.708



Protanomaly
86, 11.407, 217.586



Deuteranomaly
86, 13.040, 252.869

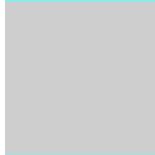


Tritanomaly
87, 27.666, 212.092

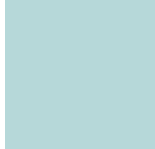
Monochromacy



Original Color
87, 28.721, 200.708



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 11.740, 201.209

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 28.721, 200.708 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(140, 233, 236)` looks like.

```
.text, #text, p{  
    color:rgb(140, 233, 236)  
}
```

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(140, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 233, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 28.721, 200.708 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(140, 233, 236) }
```

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

```
.border{ border-color:rgb(140, 233, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 233, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(140, 233,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 28.721, 200.708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 233, 236) }
```

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

```
.background{ background-color: rgb(140,  
233, 236) }
```

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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