

Converting Colors

CIELCh(87, 20.807, 186.804)

Have a look what the booklet for
CIELCh(87, 20.807, 186.804)
contains.

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Color

CIELCh(87, 20.564, 187.696)

Conversions

Conversions Part 1

Format	Color
Hex	A9E5DE
RGB	169, 229, 222
RGB Percent	66%, 90%, 87%
CMY	0.3359, 0.1005, 0.1280
CMYK	0.26, 0.00, 0.03, 0.10
HSL	173°, 54%, 78%
HSV	173°, 26%, 90%
XYZ	57.7904, 70.0064, 79.8265
YIQ	210.2620, -33.5130, -14.8970

Conversions

Conversions Part 2

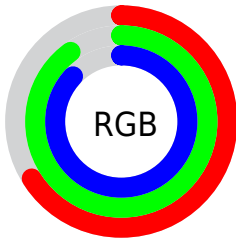
Format	Color
RYB	169, 201, 229
Decimal	11134430
CIELab	87.00, -20.38, -2.75
CIELCh	87, 20.564, 187.696
Yxy	70.0064, 0.2783, 0.3372
Android (android.graphics.Color)	4289324510 (0xFFA9E5DE)
YUV	210.2620, 5.7868, -36.1868
Hunter-Lab	83.6698, -23.1330, 2.0024

Details

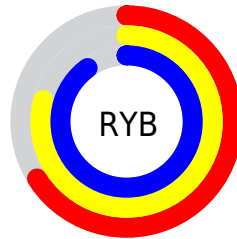
The CIELCh color **87, 20.564, 187.696** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 23.582, 12.439**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 10.172, 198.828**, and **67, 20.396, 188.283** is the 20% darker color. If you saturate the color by 10%, you get **86, 27.537, 186.832**, and if you desaturate by 10%, it is **88, 13.028, 188.537**.

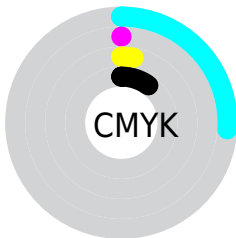
Distribution



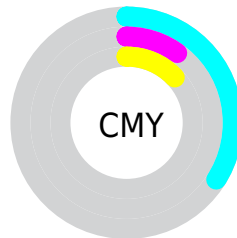
- Red (66%)
- Green (90%)
- Blue (87%)



- Red (66%)
- Yellow (79%)
- Blue (90%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)





- Cyan (34%)
- Magenta (10%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 20.564, 187.696 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, 20.564, 187.696 by changing the saturation by 10% instead.

 87, 20.564,
187.696


 87, 20.564,
187.696


 100, 20.564,
187.696


 77, 20.564,
187.696

 67, 20.564,
187.696

 57, 20.564,
187.696

 47, 20.564,
187.696

 37, 20.564,
187.696

 27, 20.564,
187.696

 17, 20.564,

187.696

■ 7, 20.564, 187.696

■ 0, 20.564, 187.696

■ 87, 20.564,
187.696

■ 87, 20.564,
187.696

■ 86, 27.537,
186.832

■ 88, 13.028,
188.537

■ 85, 33.805,
185.943

■ 90, 5.064, 189.417

■ 84, 39.240,
185.009

■ 92, 3.202, 9.910

■ 93, 9.455, 8.417

■ 83, 43.740,
184.015

■ 93, 9.797, 0.504


■ 83, 47.248,


■ 93, 10.315,


182.941


353.264


 82, 49.771,
181.768

 93, 10.985,
346.822

 82, 51.399,
180.479

 93, 11.782,
341.199

 82, 51.890,
179.971

 94, 12.680,
336.343

Harmonies

Complementary

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



87, 20.564, 187.696



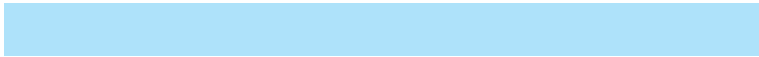
75, 23.582, 12.439

Rectangle

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



87, 20.564, 187.696



87, 20.564, 237.696



87, 20.564, 7.696



87, 20.564, 57.696

Sweetspot

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



87, 20.565, 187.692



99, 7.139, 189.239



86, 36.764, 139.295



52, 5.060, 189.103



0, 0.000, 0.000



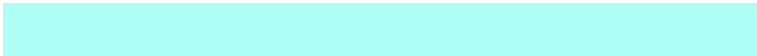
53, 0.007, 296.813

Same Dimension

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



87, 20.565, 187.692



95, 26.155, 187.264



81, 16.812, 243.046



47, 4.642, 189.113



65, 42.920, 180.206



18, 17.646, 182.462

Inverse Universe

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



75, 23.582, 12.439



80, 30.881, 13.138



80, 19.169, 57.469



45, 4.864, 10.539



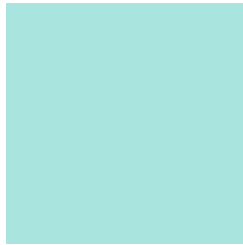
37, 75.001, 34.826



6, 26.785, 16.916

Previews

White Background



This preview shows how the CIELCh color 87, 20.564, 187.696 looks on a white background.

Color Contrast Check

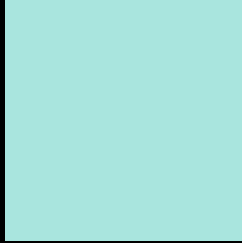
Large Text (above 18pt) WCAG AA × Fail

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, 20.564, 187.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

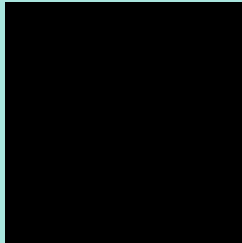
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

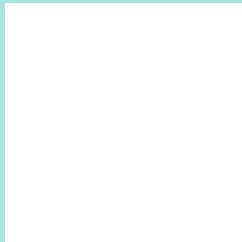
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 20.564, 187.696

Background



This preview shows how black text looks on a background with the CIELCh color 87, 20.564, 187.696.

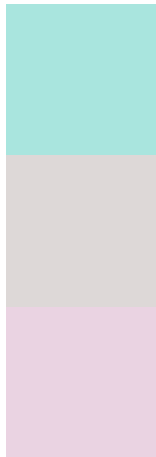


This preview shows how white text looks on a background with the CIELCh color 87, 20.564, 187.696.

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, 20.564, 187.696

Protanopia

87, 1.878, 35.355

Deuteranopia

87, 11.442, 336.960

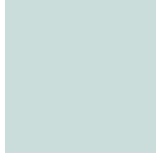


Tritanopia
87, 18.931, 228.492

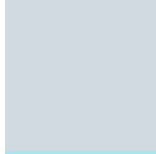
Trichromacy



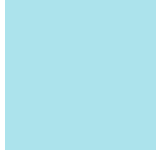
Original Color
87, 20.564, 187.696



Protanomaly
87, 6.923, 185.862



Deuteranomaly
87, 4.583, 252.636

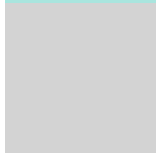


Tritanomaly
87, 18.444, 213.176

Monochromacy



Original Color
87, 20.564, 187.696



Achromatopsia
85, 0.010, 296.813



Achromatomaly
85, 7.954, 187.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 20.564, 187.696 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(169, 229, 222)` looks like.

```
.text, #text, p{  
    color:rgb(169, 229, 222)  
}
```

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(169, 229, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 229, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 20.564, 187.696 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(169, 229, 222) }
```

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

```
.border{ border-color:rgb(169, 229, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 229, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 229, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 229, 222);  
box-shadow:4px 4px 4px 4px rgb(169, 229,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 20.564, 187.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 229, 222) }
```

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

```
.background{ background-color: rgb(169,  
229, 222) }
```

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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