

Converting Colors

CIELCh(87, 33.427, 187.609)

Have a look what the booklet for
CIELCh(87, 33.427, 187.609)
contains.

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Color

CIELCh(87, 33.581, 187.241)

Conversions

Conversions Part 1

Format	Color
Hex	82ECE1
RGB	130, 236, 225
RGB Percent	51%, 93%, 88%
CMY	0.4911, 0.0754, 0.1185
CMYK	0.45, 0.00, 0.05, 0.08
HSL	174°, 73%, 72%
HSV	174°, 45%, 92%
XYZ	52.6564, 70.0064, 81.8063
YIQ	203.0520, -59.6450, -25.8930

Conversions

Conversions Part 2

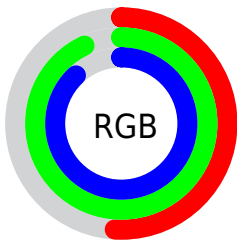
Format	Color
R_{YB}	130, 186, 236
Decimal	8580321
CIE Lab	87.00, -33.31, -4.23
CIE LCh	87, 33.581, 187.241
Yxy	70.0064, 0.2575, 0.3424
Android (android.graphics.Color)	4286770401 (0xFF82ECE1)
YUV	203.0520, 10.8204, -64.0666
Hunter-Lab	83.6698, -34.0858, 0.5994

Details

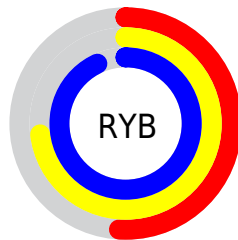
The CIELCh color **87, 33.581, 187.241** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66, 43.493, 16.513**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 21.687, 198.082**, and **67, 33.720, 187.187** is the 20% darker color. If you saturate the color by 10%, you get **86, 39.153, 186.364**, and if you desaturate by 10%, it is **88, 27.159, 188.082**.

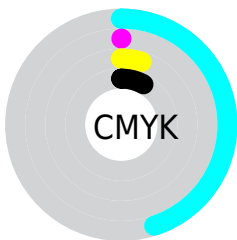
Distribution



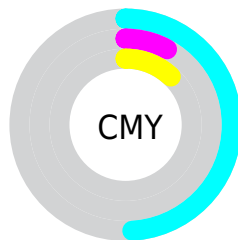
- Red (51%)
- Green (93%)
- Blue (88%)



- Red (51%)
- Yellow (73%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)





- Cyan (49%)
- Magenta (8%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 33.581, 187.241 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, 33.581, 187.241 by changing the saturation by 10% instead.


 87, 33.581,
187.241


 87, 33.581,
187.241


 100, 33.581,
187.241


 77, 33.581,
187.241

 67, 33.581,
187.241

 57, 33.581,
187.241

 47, 33.581,
187.241

 37, 33.581,
187.241

 27, 33.581,
187.241

 17, 33.581,

187.241

■ 7, 33.581, 187.241

■ 0, 33.581, 187.241

■ 87, 33.581,
187.241

■ 87, 33.581,
187.241

■ 86, 39.153,
186.364

■ 88, 27.159,
188.082

■ 85, 43.769,
185.441

■ 89, 20.021,
188.904

■ 85, 47.367,
184.453

■ 91, 12.307,
189.721

■ 85, 49.949,
183.380

■ 92, 4.160, 190.602

■ 84, 51.595,

■ 94, 4.295, 11.090

182.207

95, 7.142, 4.530

84, 52.191,
181.590

95, 7.558, 355.328

95, 8.149, 347.283

95, 8.881, 340.458

Harmonies

Complementary

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



87, 33.581, 187.241



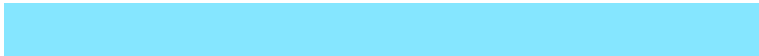
66, 43.493, 16.513

Rectangle

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



87, 33.581, 187.241



87, 33.581, 237.241



87, 33.581, 7.241



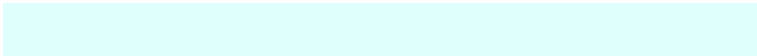
87, 33.581, 57.241

Sweetspot

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



87, 33.581, 187.239



98, 11.444, 189.878



86, 64.242, 138.296



52, 7.969, 189.695



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, 33.581, 187.239



92, 41.148, 186.429



76, 28.527, 249.021



48, 4.708, 190.182



66, 42.739, 181.813



19, 17.996, 183.765

Inverse Universe

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



66, 43.493, 16.513



66, 56.578, 18.610



75, 35.947, 57.730



46, 4.941, 11.574



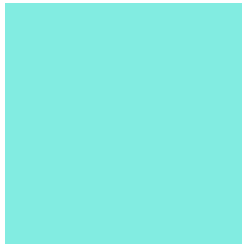
38, 76.449, 35.582



7, 28.141, 18.471

Previews

White Background



This preview shows how the CIELCh color 87, 33.581, 187.241 looks on a white background.

Color Contrast Check

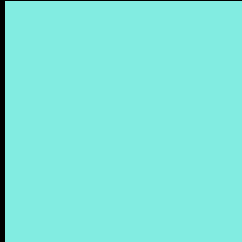
Large Text (above 18pt) WCAG AA × Fail

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, 33.581, 187.241 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, 33.581, 187.241

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.581, 187.241.

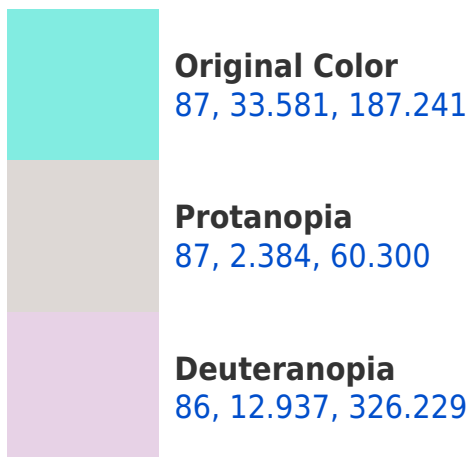


This preview shows how white text looks on a background with the CIELCh color 87, 33.581, 187.241.

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, 29.451, 217.637

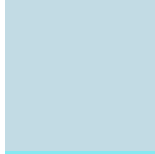
Trichromacy



Original Color
87, 33.581, 187.241



Protanomaly
86, 12.655, 184.120



Deuteranomaly
86, 9.683, 228.229

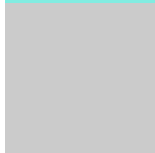


Tritanomaly
87, 29.987, 205.618

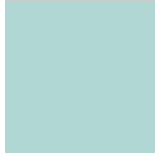
Monochromacy



Original Color
87, 33.581, 187.241



Achromatopsia
82, 0.010, 296.813



Achromatomaly
83, 13.742, 189.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.581, 187.241 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(130, 236, 225)` looks like.

```
.text, #text, p{  
    color:rgb(130, 236, 225)  
}
```

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(130, 236, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 236, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.581, 187.241 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(130, 236, 225) }
```

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

```
.border{ border-color:rgb(130, 236, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 236, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 236, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 236, 225);  
box-shadow:4px 4px 4px 4px rgb(130, 236,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.581, 187.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 236, 225) }
```

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

```
.background{ background-color: rgb(130,  
236, 225) }
```

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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