

Converting Colors

CIELCh(87, 33.820, 164.587)

Have a look what the booklet for
CIELCh(87, 33.820, 164.587)
contains.

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Color

CIELCh(87, 33.976, 164.554)

Conversions

Conversions Part 1

Format	Color
Hex	98EBC8
RGB	152, 235, 200
RGB Percent	60%, 92%, 78%
CMY	0.4053, 0.0798, 0.2170
CMYK	0.35, 0.00, 0.15, 0.08
HSL	155°, 67%, 76%
HSV	155°, 35%, 92%
XYZ	52.8738, 70.0064, 65.1567
YIQ	206.1930, -38.2330, -28.4810

Conversions

Conversions Part 2

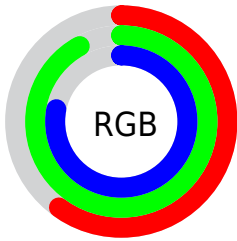
Format	Color
RYB	152, 205, 235
Decimal	10021832
CIELab	87.00, -32.75, 9.05
CIELCh	87, 33.976, 164.554
Yxy	70.0064, 0.2812, 0.3723
Android (android.graphics.Color)	4288211912 (0xFF98EBC8)
YUV	206.1930, -3.0531, -47.5273
Hunter-Lab	83.6698, -33.6220, 12.3977

Details

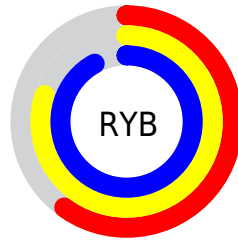
The CIELCh color **87, 33.976, 164.554** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72, 36.208, 351.864**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.314, 198.486**, and **67, 34.175, 164.463** is the 20% darker color. If you saturate the color by 10%, you get **86, 42.834, 163.278**, and if you desaturate by 10%, it is **88, 24.658, 165.696**.

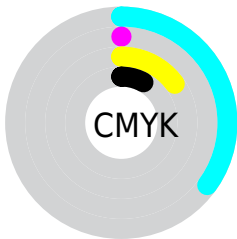
Distribution



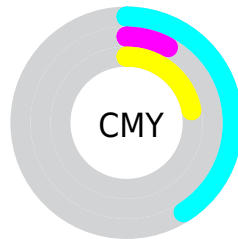
- Red (60%)
- Green (92%)
- Blue (78%)



- Red (60%)
- Yellow (80%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)



- Cyan (41%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 33.976, 164.554 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, 33.976, 164.554 by changing the saturation by 10% instead.

■ 87, 33.976,
164.554

■ 87, 33.976,
164.554

■ 100, 33.976,
164.554

■ 77, 33.976,
164.554

■ 67, 33.976,
164.554

■ 57, 33.976,
164.554

■ 47, 33.976,
164.554

■ 37, 33.976,
164.554


■ 27, 33.976,
164.554


■ 17, 33.976,


164.554

 7, 33.976, 164.554


 0, 33.976, 164.554


 87, 33.976,
164.554

 87, 33.976,
164.554

 86, 42.834,
163.278


 88, 24.658,
165.696

 85, 51.060,
161.844


 90, 15.037,
166.734

 84, 58.503,
160.227

 92, 5.262, 167.727

 83, 65.052,
158.404

 94, 4.547, 348.381

 95, 10.376,
334.346

 83, 70.659,

156.365

95, 12.705,
324.859

82, 75.371,
154.123

82, 77.355,
153.067

Harmonies

Complementary

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



87, 33.976, 164.554



72, 36.208, 351.864

Rectangle

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



87, 33.976, 164.554



87, 33.976, 214.554



87, 33.976, 344.554



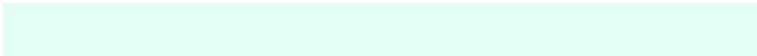
87, 33.976, 34.554

Sweetspot

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



87, 33.977, 164.553



98, 11.530, 167.160



88, 46.128, 129.723



52, 7.745, 167.026



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, 33.977, 164.553



93, 42.683, 163.699



86, 24.608, 204.642



48, 5.567, 167.315



65, 63.196, 153.485



19, 25.174, 157.448

Inverse Universe

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



72, 36.208, 351.864



74, 45.993, 352.847



72, 31.823, 27.581



46, 5.666, 348.903



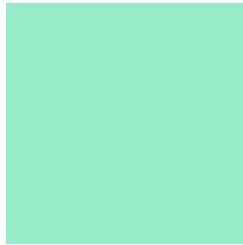
38, 65.377, 9.488



8, 28.051, 1.275

Previews

White Background



This preview shows how the CIELCh color 87, 33.976, 164.554 looks on a white background.

Color Contrast Check

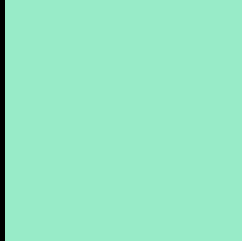
Large Text (above 18pt) WCAG AA × Fail

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, 33.976, 164.554 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

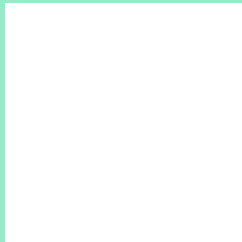
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 33.976, 164.554

Background



This preview shows how black text looks on a background with the CIELCh color 87, 33.976, 164.554.

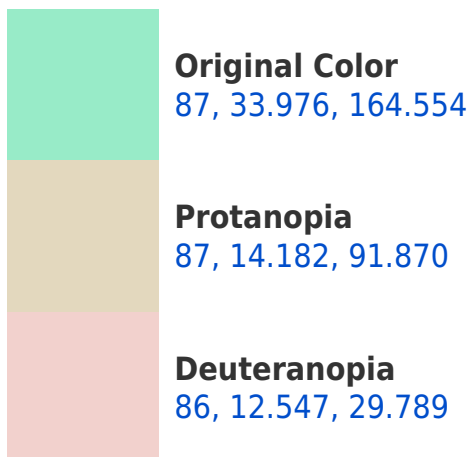



This preview shows how white text looks on a background with the CIELCh color 87, 33.976, 164.554.

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



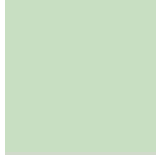


Tritanopia
87, 22.465, 223.170

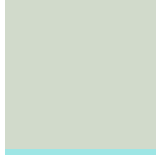
Trichromacy



Original Color
87, 33.976, 164.554



Protanomaly
86, 17.404, 138.004



Deuteranomaly
86, 8.534, 132.215

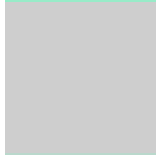


Tritanomaly
87, 23.395, 196.560

Monochromacy



Original Color
87, 33.976, 164.554



Achromatopsia
83, 0.010, 296.813



Achromatomaly
84, 12.523, 168.186

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 33.976, 164.554 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(152, 235, 200)` looks like.

```
.text, #text, p{  
    color:rgb(152, 235, 200)  
}
```

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(152, 235, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 235, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 33.976, 164.554 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(152, 235, 200) }
```

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

```
.border{ border-color:rgb(152, 235, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 235, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 235, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 235, 200);  
box-shadow:4px 4px 4px 4px rgb(152, 235,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 33.976, 164.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 235, 200) }
```

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

```
.background{ background-color: rgb(152,  
235, 200) }
```

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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