

Converting Colors

CIELCh(89, 10.189, 167.200)

Have a look what the booklet for
CIELCh(89, 10.189, 167.200)
contains.

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Color

CIELCh(89, 10.035, 167.512)

Conversions

Conversions Part 1

Format	Color
Hex	CDE5DB
RGB	205, 229, 219
RGB Percent	80%, 90%, 86%
CMY	0.1959, 0.1018, 0.1410
CMYK	0.10, 0.00, 0.04, 0.10
HSL	155°, 32%, 85%
HSV	155°, 10%, 90%
XYZ	66.0112, 74.1641, 77.8831
YIQ	220.6840, -11.0940, -8.1980

Conversions

Conversions Part 2

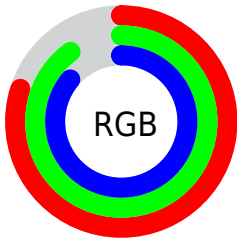
Format	Color
R_{YB}	205, 220, 229
Decimal	13493723
CIE Lab	89.00, -9.80, 2.17
CIE LCh	89, 10.035, 167.512
Yxy	74.1641, 0.3027, 0.3401
Android (android.graphics.Color)	4291683803 (0xFFCDE5DB)
YUV	220.6840, -0.8302, -13.7549
Hunter-Lab	86.1186, -13.8846, 6.6629

Details

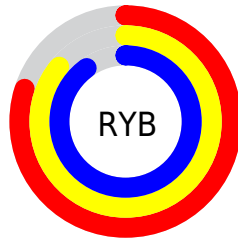
The CIELCh color `89, 10.035, 167.512` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `85, 10.236, 349.299`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 10.246, 166.199` is the 20% darker color. If you saturate the color by 10%, you get `87, 19.526, 166.505`, and if you desaturate by 10%, it is `91, 0.454, 169.416`.

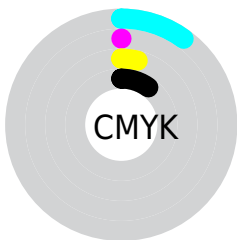
Distribution



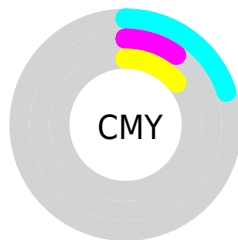
- Red (80%)
- Green (90%)
- Blue (86%)



- Red (80%)
- Yellow (86%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (20%)
- Magenta (10%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 10.035, 167.512 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 89, 10.035, 167.512 by changing the saturation by 10% instead.


 89, 10.035,
167.512


 89, 10.035,
167.512


 100, 10.035,
167.512


 79, 10.035,
167.512

 69, 10.035,
167.512

 59, 10.035,
167.512

 49, 10.035,
167.512

 39, 10.035,
167.512

 29, 10.035,
167.512

 19, 10.035,

167.512

■ 9, 10.035, 167.512

■ 0, 10.035, 167.512

■ 89, 10.035,
167.512

■ 89, 10.035,
167.512

■ 87, 19.526,
166.505

■ 91, 0.454, 169.416

■ 86, 28.790,
165.418

■ 93, 9.115, 349.124

■ 85, 37.677,
164.212

■ 93, 13.316,
334.231

■ 83, 46.025,
162.862

■ 94, 16.218,
324.986

■ 82, 53.676,

161.343

■ 82, 60.497,
159.628

■ 81, 66.410,
157.702

■ 81, 71.412,
155.563

■ 81, 75.485,
153.395

Harmonies

Complementary

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



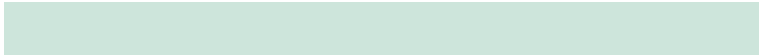
89, 10.035, 167.512



85, 10.236, 349.299

Rectangle

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



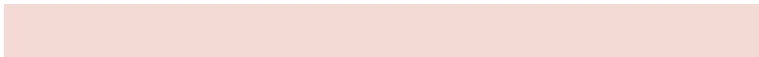
89, 10.035, 167.512



89, 10.035, 217.512



89, 10.035, 347.512



89, 10.035, 37.512

Sweetspot

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



89, 10.037, 167.507



99, 3.132, 168.300



89, 13.435, 130.925



53, 2.376, 168.194



0, 0.000, 0.000



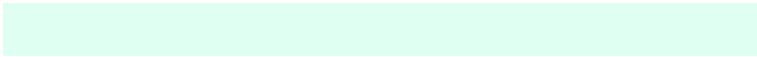
53, 0.007, 296.813

Same Dimension

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



89, 10.037, 167.507



97, 13.573, 167.252



89, 7.806, 205.104



47, 5.449, 167.607



64, 62.158, 153.804



18, 24.182, 157.992

Inverse Universe

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



85, 10.236, 349.299



91, 13.904, 349.562



85, 8.357, 25.699



45, 5.547, 349.196



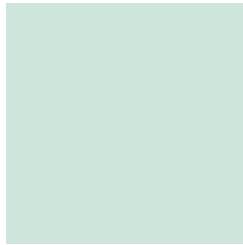
38, 64.722, 9.903



7, 26.991, 1.129

Previews

White Background



This preview shows how the CIELCh color 89, 10.035, 167.512 looks on a white background.

Color Contrast Check

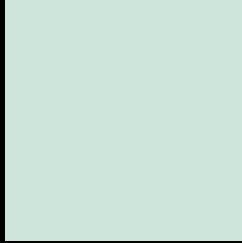
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 10.035, 167.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

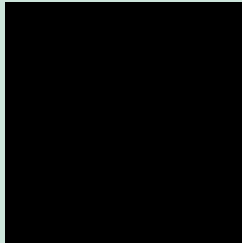
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

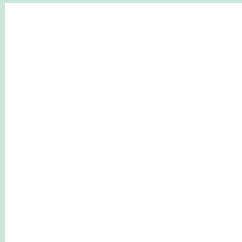
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 10.035, 167.512

Background



This preview shows how black text looks on a background with the CIELCh color 89, 10.035, 167.512.

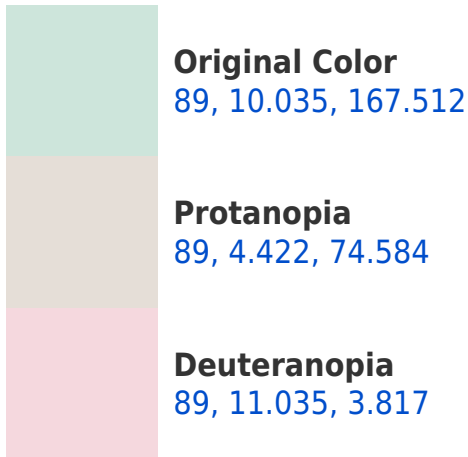


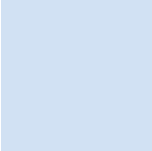
This preview shows how white text looks on a background with the CIELCh color 89, 10.035, 167.512.

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](#).

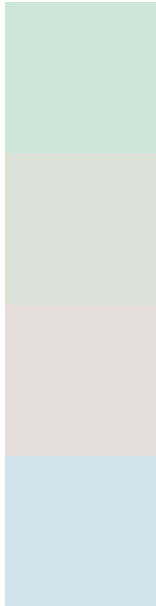
Dichromacy





Tritanopia
89, 10.722, 260.514

Trichromacy



Original Color
89, 10.035, 167.512

Protanomaly
89, 5.024, 130.848

Deuteranomaly
89, 3.253, 19.454

Tritanomaly
89, 7.403, 233.482

Monochromacy



Original Color
89, 10.035, 167.512

Achromatopsia
88, 0.010, 296.813

Achromatomaly
88, 3.850, 166.535

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 10.035, 167.512 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(205, 229, 219)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 219)  
}
```

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(205, 229, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 10.035, 167.512 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(205, 229, 219) }
```

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

```
.border{ border-color:rgb(205, 229, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 229, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 229, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 229, 219);  
box-shadow:4px 4px 4px 4px rgb(205, 229,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 10.035, 167.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 229, 219) }
```

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

```
.background{ background-color: rgb(205,  
229, 219) }
```

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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