

Converting Colors

CIELCh(89, 25.167, 166.742)

Have a look what the booklet for
CIELCh(89, 25.167, 166.742)
contains.

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Color

CIElCh(89, 25.262, 166.702)

Conversions

Conversions Part 1

Format	Color
Hex	AFEDD4
RGB	175, 237, 212
RGB Percent	69%, 93%, 83%
CMY	0.3151, 0.0720, 0.1700
CMYK	0.26, 0.00, 0.11, 0.07
HSL	156°, 63%, 81%
HSV	156°, 26%, 93%
XYZ	59.6162, 74.1641, 73.2233
YIQ	215.6120, -28.9270, -20.9190

Conversions

Conversions Part 2

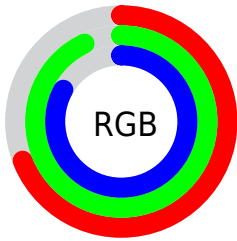
Format	Color
RYB	175, 214, 237
Decimal	11529684
CIELab	89.00, -24.58, 5.81
CIELCh	89, 25.262, 166.702
Yxy	74.1641, 0.2880, 0.3583
Android (android.graphics.Color)	4289719764 (0xFFAFEDD4)
YUV	215.6120, -1.7807, -35.6167
Hunter-Lab	86.1186, -27.1396, 9.8710

Details

The CIELCh color **89, 25.262, 166.702** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78, 26.592, 351.860**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.855, 198.993**, and **69, 25.451, 166.168** is the 20% darker color. If you saturate the color by 10%, you get **88, 34.456, 165.543**, and if you desaturate by 10%, it is **91, 15.742, 167.752**.

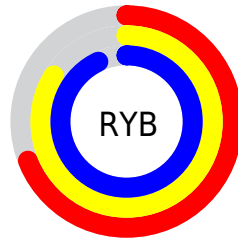
Distribution



Red (69%)

Green (93%)

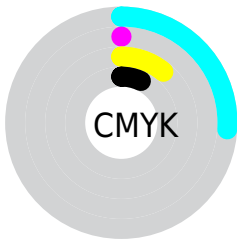
Blue (83%)



Red (69%)

Yellow (84%)

Blue (93%)

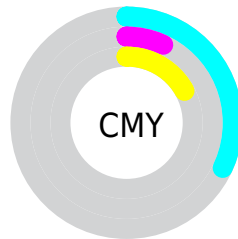


Cyan (26%)

Magenta (0%)

Yellow (11%)

Black (7%)



Cyan (32%)


Magenta (7%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 25.262, 166.702 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, 25.262, 166.702 by changing the saturation by 10% instead.


 89, 25.262,
166.702


 89, 25.262,
166.702


 100, 25.262,
166.702


 79, 25.262,
166.702

 69, 25.262,
166.702

 59, 25.262,
166.702

 49, 25.262,
166.702

 39, 25.262,
166.702


 29, 25.262,
166.702


 19, 25.262,


166.702


 9, 25.262, 166.702


 0, 25.262, 166.702

 89, 25.262,
166.702


 89, 25.262,
166.702


 88, 34.456,
165.543


 91, 15.742,
167.752

 86, 43.157,
164.255

 92, 6.040, 168.751


 85, 51.201,
162.809

 94, 3.719, 349.405


 85, 58.439,
161.180

 95, 9.396, 334.041


 84, 64.769,

 96, 11.456,
324.813

159.346

 83, 70.152,
157.296

 83, 74.650,
155.046

 83, 76.224,
154.182

Harmonies

Complementary

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



89, 25.262, 166.702



78, 26.592, 351.860

Rectangle

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



89, 25.262, 166.702



89, 25.262, 216.702



89, 25.262, 346.702



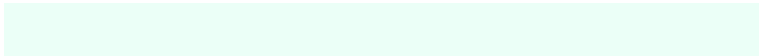
89, 25.262, 36.702

Sweetspot

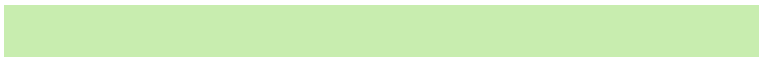
The Sweet Spot groups the original color and five complimentary colors.



89, 25.264, 166.700



98, 8.285, 168.564



90, 34.669, 130.739



52, 5.886, 168.414



0, 0.000, 0.000



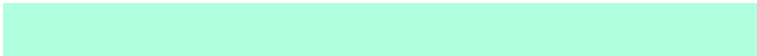
53, 0.007, 296.813

Same Dimension

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



89, 25.264, 166.700



94, 31.583, 166.145



88, 18.762, 206.533



48, 5.497, 168.422



65, 61.874, 154.611



19, 24.698, 158.552

Inverse Universe

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



78, 26.592, 351.860



80, 33.571, 352.479



78, 22.553, 28.146



46, 5.602, 350.028



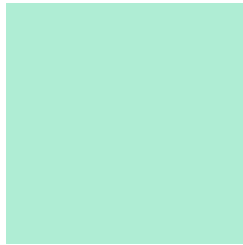
38, 65.535, 11.275



7, 27.972, 2.630

Previews

White Background



This preview shows how the CIELCh color 89, 25.262, 166.702 looks on a white background.

Color Contrast Check

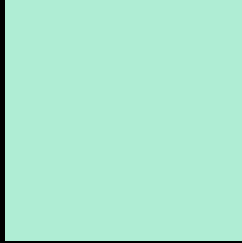
Large Text (above 18pt) WCAG AA × Fail

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 89, 25.262, 166.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

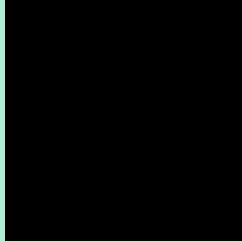
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

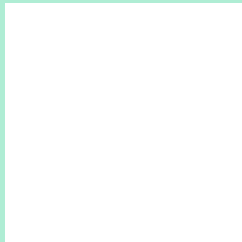
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 25.262, 166.702

Background



This preview shows how black text looks on a background with the CIELCh color 89, 25.262, 166.702.

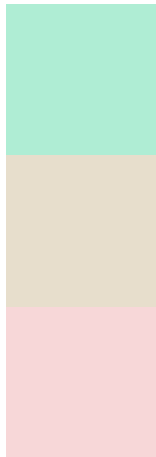


This preview shows how white text looks on a background with the CIELCh color 89, 25.262, 166.702.

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
89, 25.262, 166.702

Protanopia
89, 9.913, 89.637

Deuteranopia
89, 11.818, 17.718

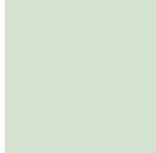


Tritanopia
89, 18.355, 231.377

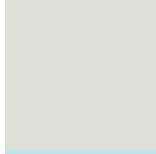
Trichromacy



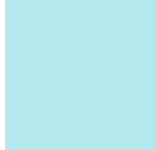
Original Color
89, 25.262, 166.702



Protanomaly
89, 11.961, 138.424

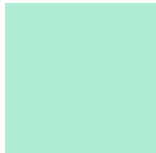


Deuteranomaly
88, 4.736, 118.592

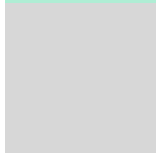


Tritanomaly
89, 17.894, 203.304

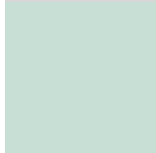
Monochromacy



Original Color
89, 25.262, 166.702



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 9.500, 169.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 25.262, 166.702 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(175, 237, 212)` looks like.

```
.text, #text, p{  
    color:rgb(175, 237, 212)  
}
```

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(175, 237, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 237, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 25.262, 166.702 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(175, 237, 212) }
```

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

```
.border{ border-color:rgb(175, 237, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 237, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 237, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 237, 212);  
box-shadow:4px 4px 4px 4px rgb(175, 237,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 25.262, 166.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 237, 212) }
```

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

```
.background{ background-color: rgb(175,  
237, 212) }
```

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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