

Converting Colors

CIELCh(89, 10.053, 228.494)

Have a look what the booklet for
CIELCh(89, 10.053, 228.494)
contains.

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Color

CIELCh(89, 9.914, 227.244)

Conversions

Conversions Part 1

Format	Color
Hex	CAE4ED
RGB	202, 228, 237
RGB Percent	79%, 89%, 93%
CMY	0.2078, 0.1058, 0.0706
CMYK	0.15, 0.04, 0.00, 0.07
HSL	195°, 49%, 86%
HSV	195°, 15%, 93%
XYZ	67.3925, 74.1641, 90.8902
YIQ	221.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

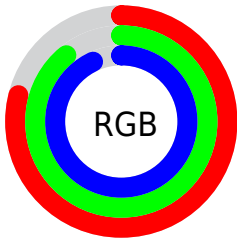
Format	Color
R _Y B	202, 217, 237
Decimal	13296877
CIE Lab	89.00, -6.73, -7.28
CIE LCh	89, 9.914, 227.244
Yxy	74.1641, 0.2899, 0.3191
Android (android.graphics.Color)	4291486957 (0xFFCAE4ED)
YUV	221.2520, 7.7638, -16.8840
Hunter-Lab	86.1186, -11.0215, -2.2921

Details

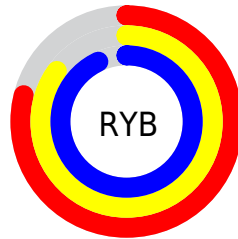
The CIELCh color `89, 9.914, 227.244` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `86, 10.843, 45.569`, and the grayscale version is `88, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `69, 9.786, 225.566` is the 20% darker color. If you saturate the color by 10%, you get `86, 16.166, 228.071`, and if you desaturate by 10%, it is `92, 3.278, 226.703`.

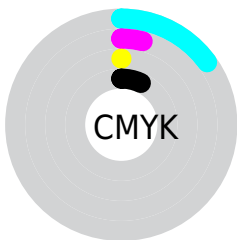
Distribution



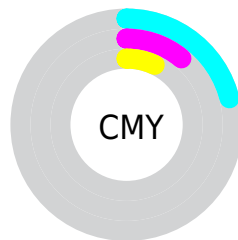
- Red (79%)
- Green (89%)
- Blue (93%)



- Red (79%)
- Yellow (85%)
- Blue (93%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (21%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 9.914, 227.244 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, 9.914, 227.244 by changing the saturation by 10% instead.

■ 89, 9.914, 227.244

■ 89, 9.914, 227.244

■ 100, 9.914,
227.244

■ 79, 9.914, 227.244

■ 69, 9.914, 227.244

■ 59, 9.914, 227.244

■ 49, 9.914, 227.244

■ 39, 9.914, 227.244

■ 29, 9.914, 227.244

■ 19, 9.914, 227.244

■ 9, 9.914, 227.244

■ 0, 9.914, 227.244

89, 9.914, 227.244

89, 9.914, 227.244

86, 16.166,
228.071

92, 3.278, 226.703

83, 21.941,
229.192

95, 3.660, 45.871

80, 27.146,
230.655

97, 5.644, 76.169

77, 31.694,
232.542

99, 7.843, 102.705

100, 9.107,
109.487

75, 35.525,
234.945

73, 38.625,
237.958

70, 41.050,
241.655

68, 42.947,
246.052

■ 67, 43.853,
248.526

Harmonies

Complementary

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



89, 9.914, 227.244



86, 10.843, 45.569

Rectangle

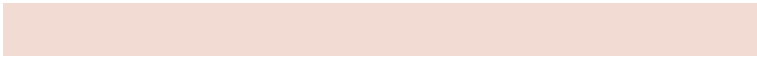
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



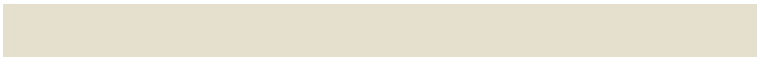
89, 9.914, 227.244



89, 9.914, 277.244



89, 9.914, 47.244



89, 9.914, 97.244

Sweetspot

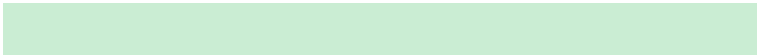
The Sweet Spot groups the original color and five complimentary colors.



89, 9.914, 227.232



99, 2.924, 226.694



91, 18.591, 151.316



52, 2.074, 226.703



0, 0.000, 0.000



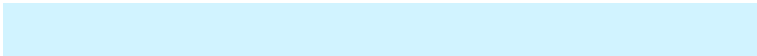
53, 0.007, 296.813

Same Dimension

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



89, 9.914, 227.232



94, 12.712, 227.481



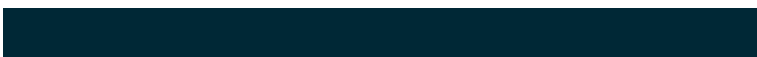
85, 14.076, 279.169



48, 3.832, 226.896



52, 35.649, 247.622



14, 14.722, 239.722

Inverse Universe

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



85, 18.589, 333.570



89, 24.083, 333.805



91, 13.933, 95.452



46, 7.068, 333.197



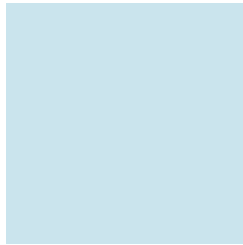
41, 73.467, 341.811



8, 32.310, 339.346

Previews

White Background



This preview shows how the CIELCh color 89, 9.914, 227.244 looks on a white background.

Color Contrast Check

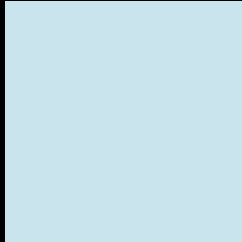
Large Text (above 18pt) WCAG AA × Fail

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, 9.914, 227.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

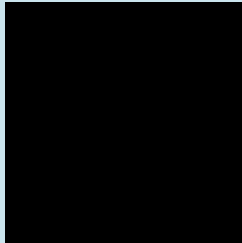
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 9.914, 227.244

Background



This preview shows how black text looks on a background with the CIELCh color 89, 9.914, 227.244.

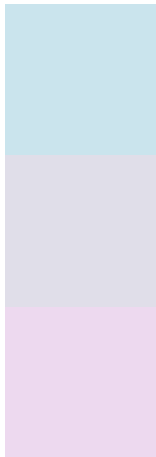


This preview shows how white text looks on a background with the CIELCh color 89, 9.914, 227.244.

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, 9.914, 227.244

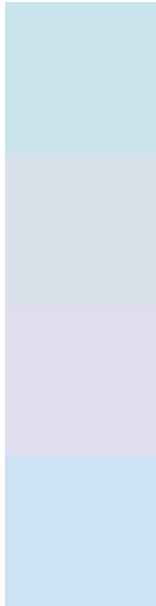
Protanopia
89, 5.793, 297.629

Deuteranopia
89, 13.528, 322.403



Tritanopia
89, 12.190, 249.558

Trichromacy



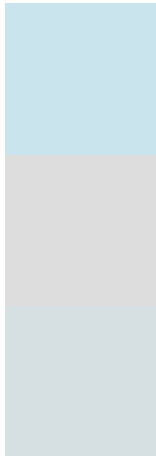
Original Color
89, 9.914, 227.244

Protanomaly
89, 5.864, 262.265

Deuteranomaly
89, 8.949, 297.611

Tritanomaly
89, 11.105, 243.931

Monochromacy



Original Color
89, 9.914, 227.244

Achromatopsia
88, 0.010, 296.813

Achromatomaly
89, 3.828, 223.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 9.914, 227.244 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(202, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(202, 228, 237)  
}
```

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(202, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 228, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 9.914, 227.244 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(202, 228, 237) }
```

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

```
.border{ border-color:rgb(202, 228, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(202, 228,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 9.914, 227.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 228, 237) }
```

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

```
.background{ background-color: rgb(202,  
228, 237) }
```

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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